Б Ъ Л Г А Р С К А А К А Д Е М И Я Н А Н А У К И Т Е

ИНСТИТУТ ПО МИКРОБИОЛОГИЯ

“СТЕФАН АНГЕЛОВ”

ДИРЕКТОР:

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О Т Ч Е Т

за работата на

Института по микробиология

“Стефан Ангелов” - БАН

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1. ПРОБЛЕМАТИКА НА ЗВЕНАТА

1.1. Преглед на изпълнението на стратегическите и оперативни цели и оценка на постигнатите резултати в съответствие с мисията и приоритетите на ИМикБ

Институтът по микробиология „Стефан Ангелов” при Българската академия на науките е водещ научноизследователски институт и признат национален изследователски център в областта на микробиологията, асоцииран към Институт Пастьор, Париж и член на Международната мрежа на Пастьоровите институти. Институтът се ползва с високо международно признание и престиж и осъществява един успешен модел както за регионално сътрудничество в Югоизточна Европа, така и за ползотворно сътрудничество с институти и от други части на света. От годината на неговото основаване /1947 г./, научното развитие на ИМикБ се определя на базата на адекватни научни приоритети, за които са влагани финансови ресурси и човешки потенциал. Мисията на ИМикБ е да провежда научни изследвания с фундаментален и приложен характер в най-актуалните направления на съвременната микробиология, които имат значение за решаването на конкретни проблеми в областта на здравеопазването, хранителната и фармацевтичната индустрия, биотехнологиите, в това число алтернативните енергийни източници и опазването на околната среда в съответствие с националните и европейски приоритети след интегрирането на ИМикБ в европейското изследователско пространство. Разполагайки с висококвалифицирани и компетентни кадри, в Института се изготвят експертни програми и становища за нуждите и целите на държавните институции, отнасящи се до здравеопазването, икономиката, безопасността на храните, опазването на околната среда и националната сигурност. Съществена дейност в ИМикБ е участието на учени от Института в образователния процес в Република България, свързано с обучението на студенти, стажанти и докторанти по съответните образователни програми. Целта е подготовката на перспективни млади учени в областта на микробиологията като част от интелектуалния потенциал на страната ни.

Оценката от цялостната дейност на ИМикБ за 2013 г. е положителна. Това заключение се основава на обективния анализ на следните по-важни дейности: 1/ активното участие на учените в проекти на национално, регионално и европейско ниво в полза на обществото; 2/ качественото експертно обслужване на държавата и обществото; 3/ отличните връзки при разширяващото се сътрудничество с висшите

училища в страната; 4/ конкурентното и високото научно ниво на провежданите изследвания; 5/ иновационните и интердисциплинарни по характер резултати с потенциално приложение в различни отрасли, като основа за икономически и социален напредък; 6/ публичността и прозрачността на висококачествените научни и научно-приложни резултати, намерили отражение в голям брой публикации и цитирания в престижни научни списания.

Прегледът на научноизследователската дейност в Института, анализът на резултатите и обоснованата положителна оценка показват, че през 2013 г. колективът на Института отговорно е изпълнявал задачите си и е постигнал добри резултати в развиваните изследователски направления. Те съответстват пряко както на националните и европейските приоритети, така и на научната политика на БАН, и напълно се вписват в концепциите за устойчиво развитие на нашето общество.

1.2. Връзка с политиките и програмите от "Стратегически направления и приоритети на БАН през периода 2009-2013 г", приети от ОС на БАН на 23.03.2009 г

Научноизследователската дейност в ИМикБ е свързана с приоритетни области на Националната програма за развитие на Република България: БЪЛГАРИЯ 2020, с основните приоритети на ЕС, заложени в Рамковата програма „Хоризонт 2020" и е в съответствие със следните основни научни политики и програми от "Стратегическите насоки и приоритети на БАН" за последната година от периода 2009-2013.

Политика 1: Науката – основна двигателна сила за развитие на националната икономика и общество, базирани на знания (Програма 1.3.: Конкурентноспособност на българската икономика и на научния иновационен капацитет; Програма 1.6: Качествено и конкурентноспособно обучение).

Политика 2: Научен потенциал и изследователска инфраструктура – част от Европейското изследователско пространство (Програма 2.1: Технологично развитие и иновации; Програма 2.3: Качество на живота и интердисциплинарни изследвания на човека и живата природа, Програма 2.6: Енергийни източници и енергийна ефективност).

ИМикБ е част от развиваните в БАН направление „Биомедицина и качество на живот", като същевременно се провеждат и изследвания, които имат връзка с

направленията „Биоразнообразие, биоресурси и екология” и „Нанонауки, нови материали и технологии”

Посочените приоритети съвпадат и/или се включват основно в един от общонационалните приоритети за развитие на науката до 2020 г., а именно „Здраве и качество на живота, биотехнологии и екологично чисти храни”. В Института се работи и по теми към приоритетите „Енергия, енергийна ефективност и транспорт” „Развитие на зелени и еко-технологии” и „Нови материали и технологии”. ИМикБ е търсен партньор в тематики от приоритета „Културно историческо наследство”. Изследователските ни направления са в съответствие с четири от тематичните области за сътрудничество на Седма рамкова програма (2007 – 2013) – „Здраве”, „Храни, селско стопанство и биотехнологии”, „Нанонауки, нанотехнологии, материали и прозводствени технологии”, „Околна среда, включително промени в климата”. Разработки има и в областта „Енергетика”.

1.3. Извършвани дейности във връзка с точка 1.2

Всички извършвани дейности са насочени към непрекъснатото усъвършенстване и разкриване на нови възможности за модернизация на научните изследвания в съответствие със стремежа ни за достигане на високите международни стандарти за наука в европейската научна общност. Целевата група, към която са насочени извършваните дейности във връзка с т. 1.2 е българското общество. Организационните структури, участващи в извършването и предоставянето на резултатите по съответните програми от приетите приоритети са департаменти, секции, лаборатории и помощни звена в съответствие със структурата на Института.

Дейности в изследователски направления, свързани със здравеопазването

Провеждани са редица дейности, свързани с изследвания на перспективни за фармацевтичната индустрия и клиничната практика продукти на химически синтез и природни продукти за откриване и разработване на нови антивирусни средства (химиотерапевтици и модификатори на биологичния отговор), главно спрямо ентеровирусните инфекции и грипа; Балканската ендемична нефропатия; туберкулозата, молекулярна епидемиология на лекарствено устойчиви щамове на *Mycobacterium tuberculosis;* бактериални зоонози; бактериална вирулентност и екология

на патогенните бактерии; нови антивирусни и антимикробни агенти, включително чрез фотодинамична инактивация; нови подходи за бактериологичен контрол на хранителните продукти; вагинални лактобацили; резистентност към антиинфекциозни средства; механизми на автоимунните заболявания; нови имуномодулатори; сепсис, артрит и ревматоид при хората; съвременни подходи за създаване на нова генерация ваксини; технология за производство на галантамин (нивалин).

Дейности в изследователски направления, свързани с обща и приложна микробиология и микробна екология

Изследванията са провеждани във връзка с молекулярната таксономия и генетика на микроорганизми с биотехнологично и медицински значение, структурно-функционални характеристики на надклетъчни бактериални съобщества (биофилми) и на взаимодействия между про- и еукариоти, регулаторни механизми на микробния метаболизъм, клетъчен отговор срещу физиологичен стрес и механизми на адаптация при бактерии и гъби, физиология и генетика на млечно-киселите бактерии с традиционно приложение и като продуценти на биологично активни пептиди, биосърфактанти – биосинтез, механизъм на действие и приложение, нови антибиотици от микроорганизми, микробен биосинтез на биологично активни вещества – ензими, аминокиселини, растежни фактори и други, микробна трансформация на стероидни съединения, екологични биотехнологии, очистване на води и почви от тежки метали, микробно разграждане на ароматни съединения, анаеробно разграждане на органични отпадъци с получаване на биогаз, биосинтез на биологично-активни съединения от растителни суспенсионни култури, биоразнообразие, екология и биотехнологичен потенциал на екстремофилни микроорганизми.

От анализа на дейността се вижда, че тя е пряко свързана с посочените по-горе приоритети, а именно - чрез стимулиране на научните изследвания и иновативната активност в тези политики да се повиши качеството на образованието и на развитието на човешкия ресурс за преструктуриране на българската икономика в икономика на знанието, базирана на интелигентен и устойчив растеж.

1.4. Полза за обществото от извършваните дейности по точка 1.4

От анализа на дейностите се вижда, че те са насочени към непрекъснатото усъвършенстване и разкриване на нови възможности за модернизация на научните

изследвания в съответствие с общия стремеж за достигане на високите международни стандарти за наука в европейската научна общност. Освен това, за да постигнем устойчиво развитие през следващите години ще продължи работата по оптимизиране и надграждане на дейностите, свързани с въвеждане на съвременни методи и подходи при проучванията в областта на геномиката, протеомиката, метаболомиката и транскриптомиката, с цел по-пълното изучаване, изясняване и разкриване на молекулните механизми на ключови биологични процеси и тяхното целево използване в медицината, индустрията, селското стопанство и др. По този начин ще се допринася за модернизиране и развитие на медицинските изследвания в изследователските направления и дейности, приоритетно свързани със здравеопазването на хора и животни, изучаване природата на микроорганизмите – бактерии, мицети и вируси; проучване ролята на микроорганизмите в патогенезата на социално значими инфекциозни заболявания, разработване на средства за борба с тях, както и за лечение на автоимунни заболявания; разработване на методи, лабораторни модели и технологии за получаване на биологично-активни вещества за приложение в медицината, хранително-вкусовата и фармацевтичната индустрия, разработване на биотехнологии за получаване на „чиста" енергия и биогорива. По този начин ще осигурим условия за доразвиване и надграждане на натрупаното от изследователския колектив познание. Разработването на отделните задачи, извършвани от ИМикБ помага да се намерят решения и произтичащото от това развитие на посочените в т. 1.3 научноизследователски и иновационни дейности. Те имат потенциална полза за обществото, тъй като са свързани с разрешаването на проблеми в екологията, биоразнообразието, здравеопазването, подобряването качеството на живот.

В областта на общата микробиология получените резултати могат да намерят потенциално приложение в биомедицината - за нови фармацевтични препарати; в биотехнологията - за получаване на ензими и други биологично активни вещества; в екологията и опазването на околната среда - биодеградация на опасни ксенобиотици и биоремедиация на замърсени с токсични вещества почви и води; за изясняване на микробното разнообразие в различни биотопи на Антарктида.

В областта на вирусологията: (i) разработване на нов оригинален подход за химиотерапия на ентеровирусните инфекции, възпиращ развитието на лекарствена резистентност, чрез комбинация от три инхибитори на ентеровирусната репликация в терапевтичен курс при последователно алтернативно прилагане; (ii) доказване на висока ефективност спрямо инфекция с грипен вирус А на комбинацията от

химиотерапевтик (оселтамивир) и антиоксидант (витамин Е); (iii) разработване и приложение (фази 1А и 1В на клинично изпитване) на вирусолитичен препарат (парвовирус Н-1) за лечение на болни с мозъчни тумори (невроглиома).

В областта на имунологията се разработват нови терапевтични подходи, базирани на пасивна имунотерапия с "модифицирани" имуноглобулинови препарати, генетично конструирани химерни молекули и тирозин-киназни инхибитори, приложими при автоимунни и възпалителни заболявания като лупус, артрит и сепсис.

В областта на инфекциозната микробиология са разработени съвременни и бързи методи за диагностициране на туберкулоза, причинена от лекарствено резистентни щамове *Micobacterium tuberculosis*, за доказване на хранителни патогени в мляко, месо и техните продукти, за определяне ролята на мигриращите птици в разпространението на важни за обществото хранителни зоонози, намиране на нови противотуберкулозни средства, както и средства за борба с други инфекциозни заболявания със синтетичен или природен произход, включително и такива с фотодинамичен ефект. Получените резултати имат не само висока научна стойност, но и конкретни и значими социални и икономически измерения, след въвеждането им за прилагане в областите здравеопазване, контрол на храните и фармацевтичната индустрия.

Разработваните технологии в областта на приложните биотехнологии са директно свързани с решаването на екологичните проблеми на обществото: съхранение на застрашени от изчезване растителни видове; получаване на биологично активни вещества с потенциал за медицинско приложение (галантамин, иридоидни гликозиди, глюкоманан, флаваноиди, протопин), приложение в хранително вкусовата промишленост (антиоксиданти и антимикробни препарати), както и заместители на синтетични компоненти в козметичната промишленост (дрождеви екзополизахарид и тритерпенови киселини); получаване на биогорива.

В областта на математическото моделиране**,** разработените нови лабораторни технологии, алгоритми за мониторинг, оптимизация и управление на процесите на анаеробно разграждане на смеси от органични отпадъци могат да доведат до увеличаване на добивите на биогаз и подобряване устойчивостта на процесите. Това ще подобри икономическата ефективност на биогазовите инсталации, които започнаха да се строят у нас в резултат на новите цени за възобновяемите електрически източници (в сила от 1.07.2011 г.).

В областта на микологията е разработена лабораторна технология за получаване на нов температурно-чувствителен антиоксидантен ензим (супероксид дисмутаза, СОД), който може да се използва в медицината, козметичната и фармакологичната индустрия. Особено значение има неговото приложение в криохирургията, при трансплантацията на органи и тъкани, при криосъхранението на клетки, при *in vitro* оплождането, за подобряване фертилитета на полови клетки и др. Получени са нови данни за разнообразието на микофлората в замърсени с тежки метали български почви. Микологичната сбирка на ИМикБ е допълнена с мицетни щамове, резистентни на високи концентрации мед.

Базата на Лабораторен център „Пастьор“ беше използвана от млади учени и докторанти от всички департаменти на Института по микробиология за провеждане на молекулярно биологични изследвания, а именно – „Генетика на бактерии и микроорганизми“, „Обща микробиология“, „Инфекциозна микробиология“. Допълнително в центъра са провеждани теоретични и практични занятия за обучението на студенти по молекулярна биология от Биологически факултет към Софийския университет, Факултета по ветеринарна медицина при Лесотехническия университет и др.

Редовно се поддържа комуникация с Институт Пастьор – Париж и регулярно са осъществявани административни контакти предимно с отдела по международно сътрудничество и институтите от Европейската зона на мрежата.

1.5. Взаимоотношения с институции

Взаимодействието с научни институции, университети, министерства, ведомства, фирми и др. се изразява в: партньорство в научноизследователската работа, съдействие на държавни управленски структури чрез експертна дейност, преподавателска дейност във висши училища, включваща както лекции, така и упражнения, курсове на различни специалисти, обучение по програма на ЕСФ и МОН „Студентски практики” и др.

Продължават успешните партньорства на ИМикБ с: Медицински университет – София, Катедра по медицинска генетика, Национален геномен център; Стоматологичен факултет; Медицински университет – Варна; Болнични заведения - болница Токуда, Майчин Дом, Военномедицинска академия; Национален онкологичен център, Болница „Царица Йоанна/ИСУЛ”, Александровска болница, Очна клиника „Зрение”; Национален център по заразни и паразитни болести; Национален диагностичен

научноизследователски ветеринарномедицински институт; Българска агенция за безопасност на храните (БАБХ), Министерство на земеделието и храните, Селскостопанска академия, Институт по рибарство и аквакултури, Агробиоинститут, Ветеринарномедицински факултет към Тракийския университет – Стара Загора; Софийски университет „Св. Климент Охридски”- Биологически факултет, Факултет по химия и фармация, Физически факултет, НИС към СУ, Югозападен университет – Благоевград, Пловдивски университет „Паисий Хилендарски”, Университет по хранителни технологии – Пловдив, Аграрен университет – Пловдив, Химикотехнологичен и металургичен университет – София, Технически университет-София, Бургаски университет „Асен Златаров”, Шуменски университет „Черноризец Храбър”, Медицински колеж „Й. Филаретова”, Пещерен клуб „Хеликтит”, различни фирми - „LB Bulgaricum ЕАД” – София, „Боди Д – Добри Добрев” – Пловдив, ”Будоров”-ЕТ и др. Ползотворни са връзките на Института и с други звена от БАН: Институт по органична химия с център по фитохимия, Институт по биология и имунология на размножаването „Акад. Кирил Братанов”, Институт по молекулярна биология „Акад. Румен Цанев”, Институт по невробиология, Институт по инженерна химия, Институт по полимери, Институт по физика на твърдото тяло, Институт по биофизика и биомедицинско инженерство, Институт по експериментална морфология, патология и антропология с музей, Институт по системни изследвания и роботика, Институт по математика, Институт за космически изследвания и технологии, Институт по биоразнообразие и екосистемни изследвания и др.

1.6. ОБЩОНАЦИОНАЛНИ И ОПЕРАТИВНИ ДЕЙНОСТИ, ОБСЛУЖВАЩИ ДЪРЖАВАТА

1.6.1. Практически дейности, свързани с работата на национални правителствени и държавни институции, индустрията, енергетиката, околната среда, селското стопанство, национални културни институции и др. /относими към получаваната субсидия/

ИМикБ не получава субсидия за практически дейности по смисъла на горната точка. Независимо от това обаче, висококвалифицирани специалисти от ИМикБ участват като експерти към следните министерства и ведомства:

Министерство на здравеопазването – участие с експерти в разработването и обсъждането на стратегията на МЗ за борбата с инфекциозните заболявания в

Експертния съвет по епидемиологичен надзор на заразните болести, имуно-профилактиката и противоепидемичния контрол, в Експертния съвет по борба с вътреболничните инфекции.

Министерство на образованието и науката – участие с експерти в експертни групи за акредитация на ВУЗ-ове в Националната агенция за оценка и акредитация, готовност за участие с експерти към комисиите на Фонда за научни изследвания, изготвяне на рецензии върху проекти към Фонда, участие в журита с рецензии и становища към различни учебни заведения и др.

Министерство на околната среда и водите – експертно участие в Консултативната комисия по генно модифицирани организми.

Министерство на земеделието и храните – участие на експерт в Националната комисия по етика при работа с животните към БАБХ, членство в Консултативния съвет към Директора на Центъра за оценка на риска при БАБХ.

Министерство на икономиката - участие на технически експерт към Изпълнителна агенция „Малки и средни предприятия" и Изпълнителна агенция към Българска служба по акредитация.

Европейски съюз - участие на експерт като представител на Република България в програмния комитет на програма за научни изследвания и иновации на Европейския съюз "Хоризонт 2020" към Комисия „Предизвикателства пред Европейската биоикономика: продоволствена сигурност, устойчиво земеделие и горско стопанство, мореплавателски, морски и вътрешноводни изследвания".

Европейската агенция по безопасността на храните (EFSA) - участие на експерт за Република България в панела „Микробиологична оценка на риска и безопасността на храните".

Неправителствени организации - участие в Управителните съвети на Националното дружество по екологично инженерство и опазване на околната среса /НДЕИООС/ и Съюз по автоматика и информатика /САИ/.

Участие на учени от Института има и в различни международни комисии, фондации, редакционни колегии, както и в различни национални и европейски дружества.

1.6.2. Проекти, свързани с общонационални и оперативни дейности, обслужващи държавата и обществото, финансирани от държавни институции, програми, националната индустрия и др. - няма

2. РЕЗУЛТАТИ ОТ НАУЧНАТА ДЕЙНОСТ ПРЕЗ 2013 Г.

Обезпечаването на научноизследователските и научноприложни разработки бе единствено на принципа на проектното финансиране. Усилията на учените бяха насочени към максимално използване на финансовите ресурси от спечелените проекти и бяха постигнати добри резултати, като спазвайки ограниченията представяме само две.

2.1. Научно постижение

За първи път у нас е приложен директен метагеномен анализ на проби от традиционно приготвени бяло саламурено сирене и катък, който доказва високо микробно разнообразие с наличието на родове бактерии с пробиотичен потенциал – *Lactobacillus* и *Bifidobacteria*, както и нови за тази екологична ниша таксони (микробни систематични групи), обитаващи екстремни местообитания. Получените резултати са оригинални и могат да послужат при разработване на технологии за производство на нови лечебни храни за подобряване качеството на живот в съвременното общество.
Ръководител: доц. д-р Светла Данова

2.2. Научно-приложно постижение

По биотехнологичен път от антарктически щам дрожди са получени два природни продукта с висока биологическа стойност за козметиката. Създадените с тях емулсионни кремове спомагат за постигане на здрава и жизнена кожа, заместващи синтетичните компоненти, които водят до нежелани странични реакции - алергии, обриви, пигментация на кожата и др. Полезният модел „Козметични състави” се отнася до нови емулсионни кремове, включващи екзополизахарида глюкоманан със силно изразени емулгиращи свойства. Синтезираната от него биомаса, съдържаща-β-каротен, коензим $Q_{10,}$ ергостерол, торулен, торулародин, протеин, липиди и стандартни за козметиката добавки подобряват стабилността и медикобиологичните свойства на продукта.
Ръководител: доц. д-р Костанаца Павлова

4. МЕЖДУНАРОДНО СЪТРУДНИЧЕСТВО НА ИНСТИТУТА

Политиката на Института е да се поощряват всички възможни форми на контакти и сътрудничество с институти, университети, фирми и др., за да популяризира както своята научна активност, така и да се инициират съвместни проекти, които биха довели до финансиране на научната дейност и нови иновации.

Постоянен приоритет в научноизследователската дейност на Института е непрекъснатото разширяване на международното научно сътрудничество, тъй като това е добра възможност за успешното интегриране на Института в европейското научно пространство и повишаване качеството на работа с цел постигане на още по-добри резултати. През 2013 г. международното сътрудничество на Института се характеризира с все по-осезателното му присъствие в различни международни инициативи, инициирани както от страна на Института, така и от чуждестранни партньори - Белгия, Украйна, Египет, Унгария, Турция, Сърбия, Македония, Албания, Русия, Китай, Обединени арабски емирства, Малайзия, САЩ, Дания и др. Това се изразява чрез добрата активност на учените от Института както чрез сключване на договори и двустранни споразумения, така и съвместни анализи. Ползотворни работни срещи бяха осъществени с различни екипи от Технологичния факултет в гр. Лесковац, Центъра за научни изследвания към Сръбската академия на науките и изкуствата и Университета в Ниш, Македонската академия за наука и изкуства по проблемите на Балканската ендемична нефропатия, както и с проф. Д. Карамели от Университета във Флоренция по генетични въпроси.

Трябва да се отбележи, че ИМикБ запази водещата си роля на регионален център на микробиологичната наука в Югоизточна Европа, като свидетелство за това е неговата активна дейност по организирането и провеждането на 8-ия Балкански Конгрес по микробиология “ MICROBIOLOGIA BALKANICA-2013”, проведен във Велико Търново. Академик А. С. Гълъбов пое за втори път функциите на Президент на Балканското микробиологично дружество, основано по наша инициатива и регистрирано със седалище ИМикБ.

Учени от ИмикБ организираха и други значими международни научни конференции и семинарии в България:

- 5-ти Конгрес на европейската федерация на имунологичните дружества
- Международна конференция: Използване на природни продукти

Бяха организирани и национални конференции с международно участие:

- Екологично инженерство и опазване на околната среда
- Семинар: Нискотемпературна СОД от антарктически гъби

4.1. В рамките на договори и спогодби на ниво Академия

Разработвани са 6 проекта по ЕБР съответно с Белгия, Русия, Украйна, Египет, Унгария и Турция. Има сключени споразумения през 2013 г., които като проекти започват от 2014 г - напр. със Сръбската академия на науките и Университета в Ниш.

4.2. В рамките на договори и спогодби на институтско ниво

Разработваните договори и спогодби на институтско ниво с чуждестранни партньори през 2013 г. са 37 /без тези по ЕБР/: шест проекта са по програма ACIP на Мрежата на Институтите Пастьор , а именно – Институт Пастьор, Париж /Франция/, Институт Пастьор Санкт Петербург, /Русия/, Институт Пастьор, Рим, /Италия/, Институт Пастьор, Атина, /Гърция/ и Институт Кантакузино, Букурещ, /Румъния/, 1 с Немския център за изследване на рака в Хайделберг, /Германия/, 1 с Ресурси+Технологии+ Управление /Германия/, 1 с Университета в Бордо, /Франция/, 1 с Университета в Ниш, /Сърбия/, 1 с фонд IZEBZO /Швейцария/, 2 с Италия - 1 с Университета в Павия и 1 с Университета във Флоренция, 1 с Университета за наука и технологии в Нанкинг /Китай/, 1 по програма на ЮНЕСКО, включваща екипи от Македония, Албания и Сърбия. Пет проекта са финансирани от Рамкови програми на ЕС - 7 РП-3, Програма Хора -1, Еразъм - 1. Два проекта са финансирани по междуправителствената програма COST. Четири проекта са финансирани от Оперативни програми на структурните фондове -1 от „Развитие на конкурентноспособността на българската икономика”, 3 от „Наука и бизнес”. Пет проекта с ФНИ имат съвместно международно сътрудничество с Италия, Белгия, Франция, Чехия, Германия и Украйна. Шест договора са възложени от фирми от чужбина – 1 с фирма Сиоген, Куала Лумпур /Малайзия/, 2 с фирма РТУ /Германия/, 1 с фирма Амино /Германия/, 1 с фирма Племзавод /Русия/, 1 с фирма Кристиян Хенсен /Дания/.

Като асоцииран към Институт Пастьор, Париж и член на Международната мрежа на Пастьоровите институти, ИМикБ има съвместна дейност с по-горе посочените институти от Мрежата по различни научни направления: генетични изследвания на хепатитни вируси В и С като причинители на рак на черния дроб и генетични изследвания на човешки папиломавируси, клетъчни популации и взаимодействие

между тях при остеоартроза, молекулно типиране на хранителни патогени, роля на мигриращите птици за разпространение на зоонози с медицинско значение, изследване терапевтичния потенциал на модифицирани имуноглобулинови препарати при експериментален респираторен синдром, конструиране на химерни молекули за вирусно насочване. Тази дейност се извършва в рамките на шестте проекта по Програма ACIP с участие на учени от мрежата на институтите Пастьор.

Извършвана е рецензентска и редакторска дейност от учени от ИМикБ в международен план.

Съществена част от добрите международни контакти са и формите на неформално международно сътрудничество, което се извършва под формата на съвместни анализи и обмен на проби, публикуване в съавторство /регистрирани са 55 статии в съавторство, от които 42 излезли от печат и 13 под печат/.

Голям е броят на учените, осъществили командировки за участие в научни прояви -17 общо в 12 страни. 13 изследователи са осъществили командировки за четене на лекции в чужбина или краткосрочни съвместни научни изследвания. Шестима колеги са били командировани в чужбина със заповеди за специализации, а 8 са командированите в чужбина по организационни и административни задачи.

Най-значимите международно финансирани проекти са:

- Глобално решение за кланици, предприятия за щавене на кожи и фитосанитарния сектор: третиране на животински отпадни продукти от категория 3 и получаване на висококачествен продукт с биопестицидни свойства, финансиран от ЕС по 7 РП, с ръководители доц. д-р А. Гущерова и доц. д-р Е. Василева-Тонкова – 760 000 лв, за 2013 - 103 621 лв
- Терапевтичен потенциал на модифицирани IgM и IgG препарати при експериментален островъзпалителен респираторен синдром и сепсис, финансиран от Швейцарски фонд, с ръководител проф. Чавдар Василев – общо 256 800 лв, за БАН 63 405 лв
- Конструиране на химерни молекули за вирусно насочване, финансиран от Институт Пастьор (Париж), с ръководител доц. д-р Андрей Чорбанов - 56 000 лв

5. УЧАСТИЕ НА ЗВЕНОТО В ПОДГОТОВКАТА НА СПЕЦИАЛИСТИ

Съществена част от мисията на Института е подготовката на млади специалисти с висока квалификация. Спектърът на образователните и научни сфери в обучението им непрекъснато се разширява в зависимост от приоритетните направления, разработвани от научния колектив на ИМикБ. Анализът на тази дейност на звеното показва, че освен голямото многообразие на осъществяваните форми и инициативи, непрекъснато нараства отговорността, значението и задачите на Института като престижен център за обучение на бакалаври, магистри и докторанти в акредитираните му научни и образователни области. В изпълнението на тези задачи се разчита на компетентността и ентусиазма на хабилитираните и нехабилитираните научни кадри, на създадените школи в отделните звена, на традициите и наложеното в научната общност добро име на Института, създавано и утвърждавано през 66-годишната му история. В резултат на утвърдената дългогодишна практика за провеждане на обучение на студенти и предоставяне на възможности за изготвяне на дипломни работи за придобиване на магистърски степени, в звената на Института има възможност да подбор на най-заинтересованите и обещаващи младежи за по-нататъшно обучение. Затова, въпреки че в страната делът на младите хора с интерес към научна кариера остава относително нисък, в ИМикБ винаги има голям интерес към магистърските и докторантските програми, като винаги са се искали допълнителни бройки за докторантура. Като проблем може да се посочи факта, че тригодишното редовно обучение в областта на микробиологията не е достатъчно за експериментална работа, за обучение в специализирани курсове по изискуемите кредити, за двата изпита през първата година, поради което винаги се иска удължаване на срока, а това е свързано с търсене на възможности за назначаване на младите хора и съответно непланирано финансиране, а и самите докторанти губят някои финансови бонуси, предвидени от закона.

ИМикБ има акредитация по 4 специалности - микробиология, вирусология, имунология и биотехнология. През 2013 г. (към 31.12.2013) в ИМикБ са подготвяни общо 22 (5 от които със съвместно ръководство) докторанти в две форми на обучение – редовна (17), и самостоятелна (5) докторантура. През 2013 г. успешно са защитили 3 докторанти. Новозачислените докторанти през 2013 са общо 6 - /четирима – редовна форма и двама свободна форма/. Отчислените докторанти са общо 5 от редовна форма на обучение. Докторантурата на самостоятелна подготовка е перспективна форма и е

добре да бъде застъпена в по-голяма степен, тъй като дава възможност за по-ефективна селекция на бъдещите учени и по-дълъг период за експериментална работа.

Учени от ИМикБ участват в подготовката както на бакалаври чрез пряко ръководство на студенти и участието им в научноизследователската работа на различни групи, така и в подготовката на магистри /дипломанти/. Учените, освен че четат лекции, водят семинарни занятия в редица университети от страната и осигуряват база и условия за разработване на магистърски тези.

През 2013 г. общо в Института намериха работно място и 30 студенти по програмата „Студентски практики" на МОН.

Подготовката на специалисти е включвала и четене на лекции и водене на курсове – общо 356 часа и водене на упражнения и семинари - 626 часа в следните висши учебни заведения: три факултета на СУ „Св. Кл. Охридски" – Биологически факултет, Факултет по химия и фармация и Физически факултети; Факултет по ветеринарна медицина на Лесотехническия университет; Химико - технологичен и металургичен университет, Университет по хранителни технологии - Пловдив; Аграрен Университет - Пловдив, Нов Български университет и Медицински колеж „Й. Филаретова".

6. ИНОВАЦИОННА ДЕЙНОСТ

6.1. Осъществяване на съвместна иновационна дейност с външни организации.

Авторски колектив от фирма "Боди-Д", доц. Костанца Павлова (Институт по микробиология „Стефан Ангелов", БАН), проф. Влаев, (Институт по инженерна химия, БАН), проф. Панчев и доц. Маргарита Кунчева (Университет по хранителни технологии) е създател на Полезен модел "Козметични състави", за който са подадени необходимите документи за регистрация на 12.03.2013 г. в Патентно ведомство, Република България.

Полезният модел се отнася до козметични състави, които съдържат екзополизахарида глюкоманан, получен по биотехнологичен път от Антарктически дрождев продуцент, като емулгатор и стабилизатор на емулсии, и неговата биомаса, съдържаща биологично активни вещества с антиоксидантна и фотопротоктивна активности (каротеноиди, CoQ10, ергостерол).

Област на приложение: фармацевтична промишленост

Заинтересовани от резултата: фармацевтични и козметични фирми

Авторски колектив от Институт по микробиология „Стефан Ангелов" – БАН, с ръководители доц. д-р Адрияна Гущерова и доц. д-р Колишка Цекова, съвместно с фирма „Иновет" ООД разработва нова технология за компостиране на растителни отпадъци от оранжерии за биологична продукция. Тази технология е базирана на ензимна хидролиза при използване на смесена култура от подбрани мезофилни и термофилни щамове. Тя е по-ефективна и безвредна, поради липсата на патогенни микроорганизми в получения компост, в сравнение с други известни технологии за компостиране. Предстои патентоване на получените резултати.

Области на приложение: опазване на околната среда и биологично земеделие

Заинтересовани от резултата: оранжерии за зеленчуци, фермери

Авторски колективи от Институт по микробиология „Стефан Ангелов" – БАН, с ръководител доц. д-р Адрияна Гущерова, учени от Агрономическия Университет – Пловдив, с ръководител проф. Георги Нешев, от Испания - с ръководител д-р Хуан Монтаньо, от Белгия - с ръководител д-р Ингрид Морван, и от Франция - с ръководител д-р Кристоф Лапасен разработиха иновативен икономически ефективен биотехнологичен метод за преработка на животински отпадни продукти от категория 3 до екологично безвредни крайни продукти, богати на аминокиселини и пептиди. Методът се основава на биохидролиза на животинските отпадъци чрез комплекс от протеолитични ензими, продуцирани от подбрани бактериални щамове. В лабораторни и полеви експерименти с растения е демонстриран биостимулиращ и биопестициден ефект на получените протеинови хидролизати, което ги прави ценни заместители на химическите пестициди. Съгласно изискванията на договор FP7 Aptar №: 218345-2 методът е заявен за Европейски патент без българско участие.

Област на приложение: опазване на околната среда

Заинтересовани от резултата: фирми за месопреработка; оранжерии

6.2. Подготовка за трансфер на технологии

Авторски колектив от Институт по микробиология Стефан Ангелов" – БАН, НИГ „ММКМ, с ръководител доц. д-р Иван Симеонов, е разработил лабораторна биотехнология за анаеробната биодеградация на смеси от свински тор, отпадъчни

плодове и зеленчуци и пшеничена слама, защитена с полезен модел „Състав за получаване на биогаз”.

Полезният модел се отнася до анаеробна биодеградация на смеси от свински тор, отпадъчни плодове и зеленчуци и пшеничена слама, при което се получава биогаз със сравнително високо съдържание на метан. Метанът е енергоносител и от него чрез когенерация се получава електрическа и топлинна енергии. Получаваният биошлам е естествен тор за биологичното земеделие.

Област на приложение: Възобновяеми енергийни източници и биогорива, биологично земеделие

Заинтересовани от резултата: свиневъдни ферми, тържища за плодове и зеленчуци, фермери.

Авторски колектив от Институт по микробиология „Стефан Ангелов” – БАН, с ръководител доц. д-р Светла Данова, е разработил български щамове млечно кисели бактерии с доказан пробиотичен потенциал. За част от тях е стартирана процедура по регистрация на полезен модел. По този начин ще бъдат изпълнени основните изисквания на EFSA и WHO и ще могат да бъдат предложени за внедряване (в много кратък срок) нов тип пробиотици, създадени за целеви групи от консуматори и за функционални храни/продукти с научно доказани здравни претенции.

Област на приложение: хранително-вкусова промишленост, фармацевтична промишленост

Заинтересовани от резултата: фирми за производство на закваски, фирми за производство на млечни и други ферментационни продукти, фирми от фармацевтична промишленост.

7. СТОПАНСКА ДЕЙНОСТ НА ЗВЕНОТО

7.1. Осъществяване на съвместна стопанска дейност с външни организации и партньори

7.2. Отдаване под наем на помещения и материална база

Под наем са отдадени 7 помещения със съответни договори с 4 фирми, намиращи се в блок 108.

7.3. Сведения за друга стопанска дейност

ИМикБ не извършва стопанска дейност, тъй като не разполага с производствена база.

8. КРАТЪК АНАЛИЗ НА ФИНАНСОВОТО СЪСТОЯНИЕ

Отчетът е изготвен на база касово изпълнение на бюджет 2013 г.

Общите приходи на Института по микробиология са в размер на 1 952 570.00 лв., от които 1 479 800.00 лв. са бюджетна субсидия от БАН, увеличена с 137 200.00 лв, а останалите 472 770.00 лв. са средства от договори с МОМН – 29 660.00лв., договор за съфинансиране на проект от БАН – 32 000.00лв., договори с български фирми и анализи – 20 520.00лв., валутни договори по международни програми – 369 807.00лв., наеми – 11 890.00лв., от тях преведени 50% на фонд Развитие – 4 192.64 лв., продажба на бракувани материали – 1 107.00лв., дарения от ЕТ"Будоров" 345.00лв. и Българска левица – 50.00лв., FEMS – за провеждане на Балкански конгрес – 5 867.00лв., лихви за просрочено вземане за наем - 110.00лв. и лихви по банкови сметки - 28.00лв.

През 2013 г. бюджетната субсидия е използвана за заплати – 1 049 968.0 лв. и осигурителни вноски върху заплатите – 199 050.00лв, за стипендии – 56 000.00лв., обезщетения по КТ при пенсиониране – 35 631.00лв., болнични от работодател – 42 69.00лв. За хонорари за научен съвет /заседателни, журита, рецензии/ - 3 160,00лв. От субсидията за издръжка / електрическа енергия, топлоенергия и вода/ са изплатени – 114 203.00лв., за работно облекло – 6 344.00 лв., за ободряващи напитки за охрана – 382,.00лв., профилактични прегледи на служители и разходи по предписание на Противопожарна защита – 3 599.00лв., държавни такси за лицензии и такса за изнасяне на радиоактивни отпадъци - 3 636,0.00лв.

Общо разходите, заплатени от бюджетната субсидия са 1 476 242.00лв.

Средствата от договори с МОМН, валутни договори и др. са изразходвани за научно-изследователски разходи – 301 696.00 лв., материали – 58 436.00лв., външни услуги и ремонти – 63 156.00лв., командировки в страната – 20 291.00 лв. и чужбина – 60 401,00лв., дълготрайни материални и нематериални активи – 103 886.00 лв., възнаграждения по договори /вкл. осигуровки - 336 000,00 лв. и др.

Общо разходите от собствени средства са – 945 824,00лв.

9. СЪСТОЯНИЕ И ПРОБЛЕМИ НА ИНСТИТУТА В ИЗДАТЕЛСКАТА И ИНФОРМАЦИОННАТА ДЕЙНОСТ

Библиотеката към Институт по микробиология ”Стефан Ангелов” при БАН разполага с общ библиотечен фонд от 21 207 единици. Поради редуцирания бюджет и предприетите мерки за справяне с финансовия дефицит, отговорникът за библиотеката е приведен на ½ работен ден., а абонаментът на издания беше намален.

През 2013 г. след приключване на ремонта на сградата на Института, включително и на библиотеката, беше върнат обратно целия книжен фонд от съседна сграда /блок 108/. Понастоящем книжният фонд е подреден и класифициран в хранилището и читалнята. Библиотеката се обслужва до обяд поради факта, че учените използват ефективно съвременните технологии и възможности за личен достъп до Интернет пространството. Чрез библиотеката учените имат достъп и до информационната мрежа на Институтите Пастьор, както и до световните и вропейски научноизследователски бази данни, лицензирани от Министерството на образованието и науката: ISI Web of Knowledge, Science Direct, Scopus, Embase**,** ProQuest, Central and Eastern European Online Library, Directory of Open Access Journals, EBSCO Host Databases, ISI Emerging Markets – SEE.

Една от формите на информационна дейност е поддържане страницата на Института в Интернет.

11. ДОПЪЛНИТЕЛНИ СПИСЪЦИ

11.1. СПИСЪК НА ПУБЛИКАЦИИТЕ, ИЗЛЕЗЛИ ОТ ПЕЧАТ ПРЕЗ 2013 г

I.1. РЕФЕРИРАНИ И ИНДЕКСИРАНИ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ

1. Златарева Е., Иванов П., Маринова С., Симеонов И., Михайлова С. Сравнителна оценка на биошлам след анаеробна биодеградация с други почвени подобрители. *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection),* 2, 2013, 119-123. ISSN 1311-8668.
2. Калоянова С., Минковска С., Петкова К., Тропчева Р., Данова С. Флуоресцентно маркиране на протеини – основни подходи и приложения, SDCB Foundation, Sofia, *Bulg. J. Chem*., 2, 2013, 77-91, ISSN 0861-9255.
3. Лахчев К. Бактериални и дрождеви екосистеми в биоетанолните производства. *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection),* 1, 2013, 45-59, ISSN 1311-8668.
4. Николаева-Гломб Л. Активните фармацевтични съставки като замърсители на околната среда: възникващ проблем с много неизвестни. (Active Pharmaceutical Ingredients as Environmental Pollutants: an Emerging problem). *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection)*, 12, 2013, 10-18. ISSN 1311-8668.
5. Симеонов И., Хубенов В., Денчев Д., Михайлова С. Сравнителни изследвания на анаеробната биодеградация на смеси от отпадъчни плодове и зеленчуци в мезофилни и термофилни условия. *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection),* 2, 2013, 51-60. ISSN 1311-8668.
6. Чорукова Е., Симеонов И. Мониторингова система на пилотен биореактор за анаеробна биодеградация на органични отпадъци. *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection),* 2, 2013, 68-72. ISSN 1311-8668.
7. Akladios C. Y., Bour G., Raykov Z., Mutter D., Marescaux J., Aprahamian M. Structural imaging of the pancreas in rat using micro-CT: application to a non-invasive longitudinal evaluation of pancreatic ductal carcinoma monitoring *J. Cancer Res. Ther.,* 1, 2013, 70–76, ISSN 0973-1482.

IF 0.761

8. Ananga A, Georgiev V, Tsolova V. Manipulation and engineering of metabolic and biosynthetic pathway of plant polyphenols. *Current Pharmaceutical Design*, 19, 2013, 6186-6206, ISSN 1381-6128.

IF 3.311

9. Atanassov I., Stefanova K., Tomova I., Kambourova M. Seamless GFP and GFP-amylase cloning in Gateway shuttle vector, expression of the recombinant proteins in *E. coli* and *Bacillus megaterium* and assessment the GFP-amylase thermostability. *Biotechnol. Biotechnol. Eq.,* 27, 2013, 4172-4180, ISSN 1310-2818.

IF 0.760

10. Bačkor M., Ivanova V., Laatsch H., Lokajová V., Bačkorová M. Allelopathic effects of

lichen secondary metabolites on lichen photobiont *Trebouxia erici*. *Allelopat. J.*, 31(1), 2013, 189-198, ISSN 0973-5046.

IF 0.846

11. Belenska L., Dimitrova P., Ivanovska N. Influence of complement activation on established zymosan-induced arthritis. *Bulgarian J Agricultural Sci*, 19, 2013, 163–166. ISSN 1310-0351.

IF 0.136

12. Chernev G., Kabaivanova L., Salvado M., Todorova E., Ivanova J. Sol-gel hyrid materials applied as matrices for a co-immobilized system of bacteria and algae. *J. Appl. Chem.*, 2(6), 2013, 1665-1673, ISSN 2278-1862.

IF 1.291

13. Christova N., Petrov P., Kabaivanova L. Biosurfactant production by *Pseudomonas aeruginosa* BN10 cells entrapped in cryogels. *Z. Naturforsch*., 68c, 2013, 47-52, ISSN 0939-5075.

IF 0.772

14. Christova N., Tuleva B., Kril A., Georgieva M., Konstantinov S., Terziyski I., Nikolova B., Stoineva I. Chemical structure and *in vitro* antitumor activity of rhamnolipids from *Pseudomonas aeruginosa* BN10. *Appl. Biochem. Biotechnol.*, 170, 2013, 676–689, ISSN: 0273-2289.

IF 1.94

15. Danova S. Bulgarian lactobacilli as new bio-protective and probiotic agents. *J. Prob. Health*, 1, 2013, 53. ISSN 2329-8901.

16. De Soyza A., Hall A., Mahenthiralingam E., Drevinek P., Kaca W., Drulis-Kawa Z., Stoitsova S., Toth V., Coenye T., Zlosnik J., Burns J., Correia I., De Vos D., Pirnay J.-P., Kidd T., Reid D., Manos J., Klockgether J., Wiehlmann L., Tummler B., McClean S., Winstanley C., Developing an international *Pseudomonas aeruginosa* reference panel. *Microbiology Open,* doi: 10.1002/mbo3.141, 2013. e-ISSN 2045-8827.

17. Dikova B., Petrov N., Djourmanski A., Lambev H. First report of Tomato spotted wilt virus on a new host *Leuzea carthamoides* in Bulgaria and the World. *Plant Disease,* 97, 2013, 1258-1258, ISSN 0191-2917. http://dx.doi.org/10.1094/PDIS-11-12-1005-PDN.

IF 2.449

18. Dimitrov J. D., Planchais C., Roumenina L. T., Vassilev T. L., Kaveri S. V., Lacroix-Desmazes S. Antibody polyreactivity in health and disease: status variabilis. *J Immunol.* 191, 2013, 993-999, ISSN 0022-1767.

IF 5.5

19. Dimitrova P., Georgiev M. I., Khan M. T. H., Ivanovska N. Evaluation of *Verbascum* species and harpagoside in models of acute and chronic inflammation. *Central European Journal of Biology*, 8, 2013, 186-194, ISSN 1895-104X.

IF 0.818

20. Dimitrova P., Ivanovska N. Tyrphostins as a promising therapeutic tool in inflammation-related conditions. *OA Inflammation* 1, 2013, 4. ISSN 2052-787X.

21. Dimirtova S., Pavlova K., Lukanov L. Production of metabolites with antioxidant and emulsifying properties by Antarctic strain *Sporobolomyces salmonicolor* AL_1. *Appl.Biochem.and Biotechnol.* 1269, 2013, 301-311, ISSN 0273-2289.

IF 1.893

22. Djoumerska-Alexieva I., Manoylov I., Dimitrov J., Tchorbanov A. Serum or breast milk immunoglobulins mask the self-reactivity of human natural IgG antibodies. *APMIS*, 2013, DOI 10.1111/apm.12149. ISSN 1600-0463.

IF 2.068

23. Djoumerska-Alexieva I., Pashova S., Vassilev T., Pashov A. The protective effect of modified intravenous immunoglobulin in LPS sepsis model is associated with an increased IRA B cells response. *Autoimmun Rev.*, 12, 2013, 653-656, ISSN 1568-9972.

IF 7.97

24. Dobrikov GM, Valcheva V., Nikolova Y., Ugrinova I., Pasheva E., Dimitrov V. Efficient synthesis of new (R)-2-amino-1-butanol derived ureas, thioureas and acylthioureas and *in vivo* evaluation of their antimycobacterial activity. Eur. J. Med. Chem. 63, 2013, 468-473. ISSN 0223-5234.

IF 3.499

25. Gacheva G., Gigova L., Ivanova N., Iliev I., Toshkova R., Gardeva E., Kussovski V., Najdenski H. Suboptimal growth temperatures enhance the biological activity of cultured cyanobacterium *Gloeocapsa* sp. *J. Appl. Phycol*., 25, 2013, 183-194, ISSN 1573-5176.

IF 2.326

26. Georgiev L., Chochkova M., Totseva I., Seizova K., Marinova E., Ivanova G., Ninova M., Najdenski H., Milkova T. Anti-tyrosinase, antioxidant and antimicrobial activities of hydroxycinnamoylamides. *Med. Chem. Res*., 22, 2013, 4173-4182, ISSN 1054-2523.

IF 1.612

27. Georgiev M. I. Coming back to nature: plants as a vital source of pharmaceutically important metabolites – Part II A. *Current Medicinal Chemistry*, 20, 2013, 851, ISSN 0929-8673.

IF 4.07

28. Georgiev M. I. Coming back to nature: plants as a vital source of pharmaceutically important metabolites – Part II B. *Current Medicinal Chemistry*, 20, 2013, 975, ISSN 0929-8673.

IF 4.07

29. Georgiev M. I., Eibl R., Zhong J. J. Hosting the plant cells *in vitro*: recent trends in bioreactors. *Applied Microbiology and Biotechnology*, 97, 2013, 3787-3800, ISSN 0175-7598.

IF 3.689

30. Georgiev M. I., Ivanovska N., Alipieva K., Dimitrova P., Verpoorte R. Harpagoside: from Kalahari desert to pharmacy shelf. *Phytochemistry,* 92, 2013, 8-15, ISSN 0031-9422.

IF 3.05

31. Georgiev V., Marchev A., Nikolova M., Ivanov I., Gochev V., Stoyanova A., Pavlov A. Chemical compositions of essential oils from leaves and flowers of *Salvia ringens* Sibth. et Sm. growing wild in Bulgaria. *Journal of Essential Oil Bearing Plants*, 16, 2013, 624-629, ISSN 0972-060X.

IF 0.290

32. Gerginova M., Manasiev J., Yemendzhiev H., Terziyska A., Peneva N., Alexieva Z. Biodegradation of phenol by Antarctic strains of *Aspergillus fumigatus*. *Z. Naturforsch. C*, 68, 2013, 384-393, ISSN 0939-5075.

IF 0.604

33. Gyurova A. Y., Doltchinkova V., Georgieva R., Danova S, Stoylov S. P. Low frequency electric polarizability and zeta-potential of *Escherichia coli* HB101 (K-12) cells during inactivation with ethanol. *Cent Europ. J. Chem.*, 11, 2013, 801-810, ISSN 1895-1066.

IF 1.167

34. Ivanov I., Georgiev V., Berkov S., Pavlov A. Elicitation of galanthamine biosynthesis by *Leucojum aestivum* liquid shoot cultures. *Journal of Plant Physiology*, 170(12), 2013, 1122-1129, ISSN 0176-1617.

IF 2.699

35. Ivanova V., Kolarova M., Aleksieva K., Schlegel R., Schumann P., Graefe U. Octadeca-8,11-dienoic acid methylester, a new fatty acid metabolite from *Fistulina hepatica*. *Journal of Modern Medicinal Chemistry*, 1, 2013, 43- 47, E-ISSN: 2308-8044/13.

36. Ivanova V., Laatsch H., Kolarova M., Aleksieva K. Structure elucidation of a new natural diketopiperazine from a *Microbispora aerata* strain isolated from Livingston Island, Antarctica. *Natural Product Res.*, 27(2), 2013, 64-170, ISSN 1478-6427.

IF 1.031

37. Kalniev M., Krastev D., Krastev N., Vidinov K., Veltchev L., Mileva M. Abnormal attachments between a plantar aponeurosis and calcaneus. 86, 2013, *Clujul Medical*, ISSN 2066-8872.

38. Kalniev M., Krastev N., Krastev D., Vidinov K., Veltchev L. and Mileva M. The presence of an additional first lumbrical muscle starts from the body of flexor digitorum profundus muscle. *Academia Journal of Scientific Research,* 7, 2013. ISSN 2315-7712.

39. Karachanak S., Grugni V., Nesheva D., Al-Zahery N., Battaglia V., Nici C., Carossa V., Yordanov Y., Torroni A., Galabov A. S., Toncheva D., Semino O. Y-chromosome diversity in modern Bulgarians: new clues about their ancestry. *PLOS ONE***,** 8/3, 2013, e56779 (www.plosone.org). e-ISSN 1932-6203.

IF 3.730

40. Karsheva M., Paskov V., Tropcheva R., Georgieva R, Danova S. Physicochemical parameters and rheological properties of yoghurts during the storage. *J. Chem. Technol. Metallurgy*, 48, 2013, 483-488, ISSN 13117629.

41. Kerekov N., Michova A., Muhtarova M., Nikolov G., Mihaylova N., Petrunov B., Nikolova M., Tchorbanov A. Suppression of allergen-specific B lymphocytes by chimeric protein-engineered antibodies. *IMBIO***,** 219, 2013, 45–52; DOI 10.1016/j.imbio.2013.07.009. ISSN 0171-2985.

IF 2.814

42. Kostova I., Stefanova T. New gallium (III) complex – synthesis, spectral characterization and cytotoxicity. *Indian J. Pure Apl. Phys* , 50, 2012, 547-554, ISSN 0019-5596.

IF 0.763

43. Krastanov A., Alexieva Z., Yemendzhiev H. Microbial degradation of phenol and phenolic derivatives. *Eng. Life Sci.*, 13, 2013, 76-87. ISSN 1618-2863.

IF 1.633

44. Krastev D., Krastev N., Mileva M. Cytological classification of the neurons in the trigeminal ganglia. *Academia Journal of Scientific Research*, 1, 2013. ISSN 2315-7712.

45. Krastev D., Krastev N., Mileva M. Investigation of histological characteristics of the human sensory neurons in ganglion trigeminale and nucleus tractus mesencephali nervi trigemini with light-microscopic techniques. *Academia Journal of Scientific Research,* 6, 2013. ISSN 2315-7712.

46. Krumova E., Abrashev R., Miteva-Staleva J., Pashova S., Angelova M. Regulation of superoxide dismutase synthesis in *Humicola lutea* cells under Cu^{2+} stress conditions. Comptes rendus de l'Acad´emie bulgare des Sciences, *Comp. Ren. 'Acad. Bulg. Sc.*, 66, 2013, 525-532, ISSN 1310-1331.

IF 0.211

47. Kuncheva M., Panchev I., Pavlova K., Russinova-Videva S., Georgieva K., Dimitrova S. Functional characteristics of an exopolysaccharide by Antarctic yeast strain C*ryptococcus laurentii* AL_{62}. *Biotechnol. Biothechnol. Eq.,* 27, 2013, 4098-4102. ISSN 1310-2818.

IF 0.622

48. Lahtchev K. Cell cycle in the yeast *Hansenula (Ogataea) polymorpha*. *Yeast*, 30, S277, ISSN 0749 503X.

IF 1.955

49. Li J., Bonifati S., Hristov G., Marttila T., Valmary-Degano S., Stanzel S., Schnölzer M., Mougin C., Aprahamian M., Grekova S.P., Raykov Z., Rommelaere J., Marchini A. Synergistic combination of valproic acid and oncolytic parvovirus H-1PV as a potential therapy against cervical and pancreatic carcinomas. *EMBO Mol. Med.,* 5(10), 2013, 1537-1555. doi: 10.1002/emmm.201302796, online ISSN 1757-4684.

IF 7.8

50. Maggi O., Tosi S., Angelova M., Lagostina E., Fabbri A.A., Pecoraro L., Altobelli E., Picco A.M., Savino E., Branda E., Turchetti B., Zotti M., Vizzini A., Buzzini P. Adaptation of fungi, including yeasts, to cold environments. *Plant Biosyst.,* 147(1), 2013, 247-258. ISSN 1126-3504; e-ISSN 1724-5575

IF 1.912

51. Mantareva V., Angelov I., Wöhrle D., Borisova E., Kussovski V. Metallophthalocyanines for antimicrobial photodynamic therapy: an overview of our experience. *J. Porphyr. Phthalocyan.*, 17, 2013, 6-7, 399-416, ISSN 1088-4246.

IF 1.405

52. Marchev A., Ivanov I., Vrancheva R., Pavlov A. Solid phase extraction and HPLC determination of phloridzin in natural products. *Bulgarian Journal of Agricultural Science*. 19(2), 2013, 201-203, ISSN 1310-0351.

IF 0.19

53. Mokrousov I., Isakova J., Valcheva V., Aldashev A., Rastogi N. Molecular snapshot of *Mycobacterium tuberculosis* population structure and drug-resistance in Kyrgyzstan. *Tuberculosis*, 93, 2013, 501-507. ISSN 14729792.

IF 3.033

54. Muratov E., Varlamova E., Artemenko A., Polishchuk P., Nikolaeva-Glomb L., Galabov AS., Kuz'min V. QSAR analysis of poliovirus inhibition by dual combinations of antivirals. *Journal of Structural Chemistry*, 24, 2013, 1665-1679. ISSN 0022-4766, e-ISSN 1573-8779.

IF 0.575

55. Najdenski H. M., Gigova L. G., Iliev I. I., Pilarski P. S., Lukavský J., Tsvetkova I. V., Ninova M. S., Kussovski V. K. Antibacterial and antifungal activities of selected microalgae and cyanobacteria. *Int. J. Food Sci. Tech.,* 48, 2013, 1533-1540, ISSN 0950-5423.

IF 1.259

56. Nikolova-Ganeva K. A., Gesheva V. V., Todorov T. A., Voll R. E., Vassilev T. L. Targeted silencing of DNA-specific B cells combined with partial plasma cell depletion displays additive effects on delaying disease onset in lupus-prone mice. *Clin Exp Immunol.,* **174**, 2013, 221-228, ISSN 1365-2249.

IF 3.4

57. Nikolova K., Kaloyanova S., Mihaylova N., Stoitsova S., Chausheva S., Vasilev A., Lesev N., Dimitrova P., Deligeorgiev T., Tchorbanov A. New fluorogenic dyes for analysis of cellular processes by flow cytometry and confocal microscopy. *J. Photochem. Photobiol. B.*, 129C, 2013, 125-134, doi: 10.1016/j.jphotobiol.2013.10.010, ISSN 1011-1344.

IF 3.110

58. Nikolova M., Ambrozova G., Kratchanova M., Denev P., Kussovski V., Ciz M., Lojek A. Effects of pectic polysaccharides isolated from leek on the production of reactive oxygen and nitrogen species by phagocytes. *J Med Food*, 16, 2013, 711-718, ISSN 1096-620X.

IF 1.642

59. Petrova P., Petrov K., Stoyancheva G. Starch-modifying enzymes of lactic acid bacteria – structures, properties, and applications. *Starch-Starke* 65, 2013, 34-47, ISSN 0038-9056.
IF 1.220

60. Petrova P., Tomova I., Petrov K., Nikov I., Tonkova A. Purification and properties of a new recombinant cyclodextrin glucanotransferase from *E. coli* BL21 (DE3) pJCGT8-5. *Comp. Ren. 'Acad. Bulg. Sc.*, 66, 2013, 1437-1444, ISSN 1310-1331.
IF 0.211

61. Popova M., Dimitrova R., Al-Lawati H.T., Tsvetkova I., Najdenski H., Bankova V. Omani propolis: chemical profiling, antibacterial activity and new propolis plant sources. *Chem. Central J.* 7, 2013,158. ISSN 1752-153 doi: 10.1186/1752-153X-7-158.
IF 1.31

62. Radchenkova N., Vassilev S., Panchev I., Anzelmo G., Tomova I., Nicolaus B., Kuncheva M., Petrov K., Kambourova M. Production and properties of two novel exoplosaccharides synthesized by a thermophilic bacterium *Aeribacillus pallidus* 418. *Appl. Biochem. Biotechnol.,* 171, 2013, 31-43, ISSN 0273-2289.
IF 1.893

63. Raykov Z., Grekova S. P., Bour G., Lehn J. M., Giese N. A., Nicolau C., Aprahamian M. Myo-inositol trispyrophosphate-mediated hypoxia reversion controls pancreatic cancer in rodents and enhances gemcitabine efficacy. *Int. J. Cancer.,* 2013, Nov 10. doi: 10.1002/ijc.28597, online ISSN 1097-0215.
IF 6.20

64. Raykov Z., Grekova S. P., Hörlein R., Leuchs B., Giese T., Giese N. A., Rommelaere J., Zawatzky R., Daeffler L. TLR-9 contributes to the antiviral innate immune sensing of rodent parvoviruses MVMp and H-1PV by normal human immune cells. *PLoS One*, 8(1), 2013, e55086. doi: 10.1371/journal.pone.0055086, ISSN 1932-6203.
IF 3.70

65. Raynova Y., Doumanova L., Idakieva K. Phenoloxidase activity of *Helix aspersa* Maxima (garden snail, gastropod) hemocyanin. *The Protein Journal*, 32, 2013, 609-618. ISSN: 1572-3887.
IF 1.126

66. Staneva R., Rukova B., Hadjidekova S., Nesheva D., Antonova O., Dimitrov P., Simeonov V., Cukuranovic R., Cukuranovic J., Stefanovic V., Polenakovic M., Dimova I., Hlushchuk R., Djonov V., Galabov A., Toncheva D. Whole genome methylation array analysis reveals new aspects in BEN etiology. *BMC Nephrology,* 24, 2013, 225. doi:10.1186/1471-2369-14-225. ISSN 1471-2369.
IF 1.64

67. Stavrakov G., valcheva V., Philipova I., Doytchinova I. Novel campahne-based anti-tuberculosis agents with nanomolar activity. *Eur. J. med. Chem.,* 70, 2013, 372-379. ISSN 0223-5234.
IF 3.499

68. Serafimovska JM., Arpadjan S., Stafilov T., Tsekova K. Study on the antimony species distribution in industrially contaminated soils. *J. Soils Sediments,* 13(2), 2013, 294-303, ISSN 1614-7480.

IF 1.965

69. Shivarov V., Dimitrova P., Vassilev T. Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase (AID). *Haematologica,* 98, 2013, e111-113, ISSN 0390-6078.

IF 5.90

70. Staneva R., Rukova B., Hadjidekova S., Nesheva D., Antonova O., Dimitrov P., Simeonov V., Cukuranovic R., Cukuranovic J., Stefanovic V., Polenakovic M., Dimova I., Hlushchuk R., Djonov V., Galabov A., Toncheva D. Whole genome methylation array analysis reveals new aspects in BEN etiology. *BMC Nephrology,* 24, 2013, 225. doi:10.1186/1471-2369-14-225.

IF 1.64

71. Stavrakov, G., I. Philipova, V. Valcheva, Synthesis and antimycobacterial activity of novel mandelic acid derived diamide. *Pharmacia,* 60, 2013, 4, 11-15. ISSN 0428-0296

72. Stein E., Inic-Kanada A., Belij S., Montenaro J., Bintner N., Schlacher S., Lubitz W., Stojanovic M., Najdenski H., Barisani-Asenbauer T. In vitro and in vivo uptake study of *Escherichia coli* Nissle 1917 bacterial ghosts: cell-based delivery system to target ocular surface diseases. *Invest. Ophtalmol. Vis. Sci.,* 54, 2013, 6326-6333, ISSN 1552-5783.

IF 3.441

73. Steingroewer J., Bley T., Georgiev V., Ivanov I., Lenk F., Marchev A., Pavlov A. Bioprocessing of differentiated plant in vitro systems. *Engineering in Life Sciences*, 13(1), 2013, 26-38, ISSN 1618-2863.

IF 1.925

74. Teneva A., Dimitrov K., Petrovic V., Petrovic M., Dimitrova I., Tyufekchiev N., Petrov N. Molecular genetics and SSR markers as a new practice in farm animal genomic analysis for breeding and control of disease disorders. *Biotechnology in Animal Husbandry*. 29 2013, 405-429. ISSN 1450-9156, DOI: 10.2298/BAH1303405T.

75. Tkhruni F. N., Karapetyan K. J., Danova S. T., Dimov S. G., Karimpour F. A. Probiotic properties of endemic strains of lactic acid bacteria. *J. BioSci. Biotech*., 2, 2013, 109-115, ISSN 1314-6238.

76. Tomova A., Tomova I., Vasileva-Tonkova E., Lazarkevich I., Stoilova-Disheva M., Lyutskanova D., Kambourova M. *Myroides guanonis* sp. nov., isolated from prehistoric paintings. *Int. J. System.Evol. Microbiol.,* 63, 2013, 4266–4270, ISSN 1466-5026.

IF 2.112

77. Tomova I., Lazarkevich I., Tomova A., Kambourova M., Vasileva-Tonkova E. Diversity and biosynthetic potential of culturable aerobic heterotrophic bacteria isolated from Magura Cave, Bulgaria. *Int. J. Speleol.*, 42, 2013, 65-76, ISSN 0392-6672.

IF 2.057

78. Topouzova-Hristova T., Stoitsova S., Paunova-Krasteva T., Doumanov J., Stephanova E. Changes in the actin cytoskeleton and actin-associated proteins in HeLa cells as a result of *E. coli* O157:H7 infection. *Bulg. J. Agric. Sc.*, 19, 2013, 155-158, ISSN 1310-0351.

IF 0.189

79. Tropcheva R., Hristova J., Georgieva R., Salageanu A., Sgouras D. N., Danova S. *In vitro* assessment of prebiotic utilization by dairy lactobacilli. *Bulg. J. Agric. Sc.*, 19, 2013, 105–107. ISSN 1310-0351.

IF 0.189

80. Tsekova K., Chernev G., Hristov A., Kabaivanova L. Phenol biodegradation by fungal cells immobilized in sol-gel hybrids. *Z. Naturforsch.*, 68c, 2013, 53-59, ISSN 0939-5075.

IF 0.772

81. Vlaev S, Russinova-Videva S., Pavlova K., Kuncheva M., Panchev I., Dobreva S. Submerged culture process for biomass and exopolysaccharide production by Antarctic yeast: some engineering considerations. *Appl. Microbiol Biotechnol* 97, 2013, 5303-5313, ISSN 0175-7598.

IF 3.613

82. Voutquenne-Nazabadioko L., Gevrenova R., Borie N., Harakat D., Sayagh C., Weng A., Thakur M., Zaharieva M., Henry M. Triterpenoid saponins from the roots of *Gypsophila trichotoma* Wender. *Phytochemistry*, 90, 2013, 114-27, ISSN 0031-9422.

IF 3.050

83. Voyslavov T., Georgieva S., Arpadjan S., Tsekova K. Phytoavailability assessment of cadmium and lead in polluted soils and accumulation by *Matricaria chamomilla* (chamomile). *Biotechnol. Biotechnol. Eq.*, 27(4), 2013, 3939-3943, ISSN 1310-2818.

IF 0.760

84. Wang H. P., Tian Y., Kalchev B., Simeonov I., Christov N. Pilot-scale biogas plant: description, modelling and composed recursive control. *Journal of Control Engineering and Applied Informatics* 15 (2), 2013, 38-45, ISSN 1454-8658.

IF 0.338

I.2. В ИЗДАНИЯ С ИМПАКТ ФАКТОР*

*(дадените импакт фактори са за 2012 г.)

1. Akladios C. Y., Bour G., Raykov Z., Mutter D., Marescaux J., Aprahamian M. Structural imaging of the pancreas in rat using micro-CT: application to a non-invasive longitudinal evaluation of pancreatic ductal carcinoma monitoring *J. Cancer Res. Ther.,* 1, 2013, 70–76, ISSN 0973-1482.

IF: 0.761

2. Ananga A, Georgiev V, Tsolova V. Manipulation and engineering of metabolic and biosynthetic pathway of plant polyphenols. *Current Pharmaceutical Design*, 19, 2013,

6186-6206, ISSN 1381-6128.

IF 3.311

3. Atanassov I., Stefanova K., Tomova I., Kambourova M. Seamless GFP and GFP-amylase cloning in Gateway shuttle vector, expression of the recombinant proteins in *E. coli* and *Bacillus megaterium* and assessment the GFP-amylase thermostability. *Biotechnol. Biotechnol. Eq.,* 27, 2013, 4172-4180, ISSN 1310-2818.

IF 0.760

4. Bačkor M., Ivanova V., Laatsch H., Lokajová V., Bačkorová M. Allelopathic effects of lichen secondary metabolites on lichen photobiont *Trebouxia erici*. *Allelopat. J.*, 31(1), 2013, 189-198, ISSN 0973-5046.

IF 0.846

5. Belenska L., Dimitrova P., Ivanovska N. Influence of complement activation on established zymosan-induced arthritis. *Bulgarian J Agricultural Sci*, 19, 2013, 163–166. ISSN 1310-0351.

IF 0.136

6. Chernev G., Kabaivanova L., Salvado M., Todorova E., Ivanova J. Sol-gel hyrid materials applied as matrices for a co-immobilized system of bacteria and algae. *J. Appl. Chem.*, 2(6), 2013, 1665-1673, ISSN 2278-1862.

IF 1.291

7. Christova N., Petrov P., Kabaivanova L. Biosurfactant production by *Pseudomonas aeruginosa* BN10 cells entrapped in cryogels. *Z. Naturforsch*., 68c, 2013, 47-52, ISSN 0939-5075.

IF 0.772

8. Christova N., Tuleva B., Kril A., Georgieva M., Konstantinov S., Terziyski I., Nikolova B., Stoineva I. Chemical structure and *in vitro* antitumor activity of rhamnolipids from *Pseudomonas aeruginosa* BN10. *Appl. Biochem. Biotechnol.*, 170, 2013, 676–689, ISSN: 0273-2289.

IF 1.94

9. Dikova B., Petrov N., Djourmanski A., Lambev H. First report of Tomato spotted wilt virus on a new host *Leuzea carthamoides* in Bulgaria and the World. *Plant Disease,* 97, 2013, 1258-1258, ISSN 0191-2917. http://dx.doi.org/10.1094/PDIS-11-12-1005-PDN.

IF 2.449

10. Dimitrov J. D., Planchais C., Roumenina L. T., Vassilev T. L., Kaveri S. V., Lacroix-Desmazes S. Antibody polyreactivity in health and disease: status variabilis. *J Immunol.* **191**, 2013, 993-999, ISSN 0022-1767.

IF 5.5

11. Dimitrova P., Georgiev M. I., Khan M. T. H., Ivanovska N. Evaluation of *Verbascum* species and harpagoside in models of acute and chronic inflammation. *Central European Journal of Biology*, 8, 2013, 186-194, ISSN 1895-104X.

IF 0.818

12. Dimirtova S., Pavlova K., Lukanov L. Production of metabolites with antioxidant and emulsifying properties by Antarctic strain *Sporobolomyces salmonicolor* AL_1. *Appl.Biochem.and Biotechnol.* 1269, 2013, 301-311, ISSN 0273-2289.

IF 1.893

13. Djoumerska-Alexieva I., Manoylov I., Dimitrov J., Tchorbanov A. Serum or breast milk immunoglobulins mask the self-reactivity of human natural IgG antibodies. *APMIS*, 2013, DOI 10.1111/apm.12149. ISSN 1600-0463.

IF 2.068

14. Djoumerska-Alexieva I., Pashova S., Vassilev T., Pashov A. The protective effect of modified intravenous immunoglobulin in LPS sepsis model is associated with an increased IRA B cells response. *Autoimmun Rev.*, 12, 2013, 653-656, ISSN 1568-9972.

IF 7.97

15. Dobrikov GM, Valcheva V., Nikolova Y., Ugrinova I., Pasheva E., Dimitrov V. Efficient synthesis of new (R)-2-amino-1-butanol derived ureas, thioureas and acylthioureas and *in vivo* evaluation of their antimycobacterial activity. Eur. J. Med. Chem. 63, 2013, 468-473. ISSN 0223-5234.

IF 3.499

16. Gacheva G., Gigova L., Ivanova N., Iliev I., Toshkova R., Gardeva E., Kussovski V., Najdenski H. Suboptimal growth temperatures enhance the biological activity of cultured cyanobacterium *Gloeocapsa* sp. *J. Appl. Phycol*., 25, 1, 2013, 183-194, ISSN 1573-5176.

IF 2.326

17. Georgiev L., Chochkova M., Totseva I., Seizova K., Marinova E., Ivanova G., Ninova M., Najdenski H., Milkova T. Anti-tyrosinase, antioxidant and antimicrobial activities of hydroxycinnamoylamides. *Med. Chem. Res*., 22, 9, 2013, 4173-4182, ISSN 1054-2523

IF 1.612

18. Georgiev M. I. Coming back to nature: plants as a vital source of pharmaceutically important metabolites – Part II A. *Current Medicinal Chemistry*, 20, 2013, 851, ISSN 0929-8673.

IF 4.07

19. Georgiev M. I. Coming back to nature: plants as a vital source of pharmaceutically important metabolites – Part II B. *Current Medicinal Chemistry*, 20, 2013, 975, ISSN 0929-8673.

IF 4.07

20. Georgiev M. I., Eibl R., Zhong J. J. Hosting the plant cells *in vitro*: recent trends in bioreactors. *Applied Microbiology and Biotechnology*, 97, 2013, 3787-3800, ISSN 0175-7598.

IF 3.689

21. Georgiev M. I., Ivanovska N., Alipieva K., Dimitrova P., Verpoorte R. Harpagoside: from Kalahari desert to pharmacy shelf. *Phytochemistry,* 92, 2013, 8-15, ISSN 0031-

9422.

IF 3.05

22. Georgiev V., Marchev A., Nikolova M., Ivanov I., Gochev V., Stoyanova A., Pavlov A. Chemical compositions of essential oils from leaves and flowers of *Salvia ringens* Sibth. et Sm. growing wild in Bulgaria. *Journal of Essential Oil Bearing Plants*, 16, 2013, 624-629, ISSN 0972-060X.

IF 0.290

23. Gerginova M., Manasiev J., Yemendzhiev H., Terziyska A., Peneva N., Alexieva Z. Biodegradation of phenol by Antarctic strains of *Aspergillus fumigatus*. *Z. Naturforsch. C*, 68, 2013, 384-393, ISSN 0939-5075.

IF 0.604

24. Gyurova A. Y., Doltchinkova V., Georgieva R., Danova S, Stoylov S. P. Low frequency electric polarizability and zeta-potential of *Escherichia coli* HB101 (K-12) cells during inactivation with ethanol. *Cent Europ. J. Chem.*, 11, 2013, 801-810, ISSN 1895-1066.

IF 1.167

25. Ivanov I., Georgiev V., Berkov S., Pavlov A. Elicitation of galanthamine biosynthesis by *Leucojum aestivum* liquid shoot cultures. *Journal of Plant Physiology*, 170(12), 2013, 1122-1129, ISSN 0176-1617.

IF 2.699

26. Ivanova V., Laatsch H., Kolarova M., Aleksieva K. Structure elucidation of a new natural diketopiperazine from a *Microbispora aerata* strain isolated from Livingston Island, Antarctica. *Natural Product Res.*, 27(2), 2013, 64-170, ISSN 1478-6427.

IF 1.031

27. Karachanak S., Grugni V., Nesheva D., Al-Zahery N., Battaglia V., Nici C., Carossa V., Yordanov Y., Torroni A., Galabov A. S., Toncheva D., Semino O. Y-chromosome diversity in modern Bulgarians: new clues about their ancestry. *PLOS ONE***,** 8/3, 2013, e56779 (www.plosone.org). e-ISSN 1932-6203.

IF 3.730

28. Kerekov N., Michova A., Muhtarova M., Nikolov G., Mihaylova N., Petrunov B., Nikolova M., Tchorbanov A. Suppression of allergen-specific B lymphocytes by chimeric protein-engineered antibodies. *IMBIO***,** 219, 2013, 45–52; DOI 10.1016/j.imbio.2013.07.009. ISSN 0171-2985.

IF 2.814

29. Kostova I., Stefanova T. New gallium (III) complex – synthesis, spectral characterization and cytotoxicity. *Indian J. Pure Apl. Phys* , 50, 2012, 547-554, ISSN 0019-5596.

IF 0.763

30. Krastanov A., Alexieva Z., Yemendzhiev H. Microbial degradation of phenol and phenolic derivatives. *Eng. Life Sci.*, 13, 2013, 76-87, ISSN 1618-2863.

IF 1.633

31. Krumova E., Abrashev R., Miteva-Staleva J., Pashova S., Angelova M. Regulation of superoxide dismutase synthesis in *Humicola lutea* cells under Cu^{2+} stress conditions. Comptes rendus de l'Acad´emie bulgare des Sciences, *Comp. Ren. 'Acad. Bulg. Sc.*, 66, 2013, 525-532, ISSN 1310-1331.

IF 0.211

32. Kuncheva M., Panchev I., Pavlova K., Russinova-Videva S., Georgieva K., Dimitrova S. Functional characteristics of an exopolysaccharide by Antarctic yeast strain C*ryptococcus laurentii* AL_{62}. *Biotechnol. Biothechnol. Eq.,* 27, 2013, 4098-4102, ISSN 1310-2818.

IF 0.622

33. Lahtchev K. Cell cycle in the yeast *Hansenula (Ogataea) polymorpha*. *Yeast*, 30, S277, ISSN 0749 503X.

IF 1.955

34. Li J., Bonifati S., Hristov G., Marttila T., Valmary-Degano S., Stanzel S., Schnölzer M., Mougin C., Aprahamian M., Grekova S.P., Raykov Z., Rommelaere J., Marchini A. Synergistic combination of valproic acid and oncolytic parvovirus H-1PV as a potential therapy against cervical and pancreatic carcinomas. *EMBO Mol. Med.,* 5(10), 2013, 1537-1555. doi: 10.1002/emmm.201302796, online ISSN: 1757-4684.

IF 7.8

35. Maggi O., Tosi S., Angelova M., Lagostina E., Fabbri A.A., Pecoraro L., Altobelli E., Picco A.M., Savino E., Branda E., Turchetti B., Zotti M., Vizzini A., Buzzini P. Adaptation of fungi, including yeasts, to cold environments. *Plant Biosyst.,* 147(1), 2013, 247-258. ISSN 1126-3504; e-ISSN 1724-5575.

IF 1.912

36. Mantareva V., Angelov I., Wöhrle D., Borisova E., Kussovski V. Metallophthalocyanines for antimicrobial photodynamic therapy: an overview of our experience. *J. Porphyr. Phthalocyan.*, 17, 2013, 399-416, ISSN 1088-4246.

IF 1.405

37. Marchev A., Ivanov I., Vrancheva R., Pavlov A. Solid phase extraction and HPLC determination of phloridzin in natural products. *Bulgarian Journal of Agricultural Science*. 19(2), 2013, 201-203, ISSN 1310-0351.

IF 0.19

37. Mokrousov I., Isakova J., Valcheva V., Aldashev A., Rastogi N. Molecular snapshot of *Mycobacterium tuberculosis* population structure and drug-resistance in Kyrgyzstan. *Tuberculosis*, 93, 2013, 501-507. ISSN 14729792.

IF 3.033

38. Muratov E., Varlamova E., Artemenko A., Polishchuk P., Nikolaeva-Glomb L., Galabov A. S., Kuz'min V. QSAR analysis of poliovirus inhibition by dual combinations of antivirals. *Journal of Structural Chemistry*, 24, 2013, 1665-1679. ISSN 0022-4766 (print version), ISSN 1573-8779 (electronic version).

IF 0.575

39. Najdenski H. M., Gigova L. G., Iliev I. I., Pilarski P. S., Lukavský J., Tsvetkova I. V., Ninova M. S., Kussovski V. K. Antibacterial and antifungal activities of selected microalgae and cyanobacteria. *Int. J. Food Sci. Tech.,* 48, 2013, 1533-1540, ISSN 0950-5423.

IF 1.259

40. Nikolova-Ganeva K. A., Gesheva V. V., Todorov T. A., Voll R. E., Vassilev T. L. Targeted silencing of DNA-specific B cells combined with partial plasma cell depletion displays additive effects on delaying disease onset in lupus-prone mice. *Clin Exp Immunol.,* **174**, 2013, 221-228, ISSN 1365-2249.

IF 3.4

41. Nikolova K., Kaloyanova S., Mihaylova N., Stoitsova S., Chausheva S., Vasilev A., Lesev N., Dimitrova P., Deligeorgiev T., Tchorbanov A. New fluorogenic dyes for analysis of cellular processes by flow cytometry and confocal microscopy. *J. Photochem. Photobiol. B.*, 129C, 2013, 125-134, doi: 10.1016/j.jphotobiol.2013.10.010, ISSN 1011-1344.

IF 3.110

42. Nikolova M., Ambrozova G., Kratchanova M., Denev P., Kussovski V., Ciz M., Lojek A. Effects of pectic polysaccharides isolated from leek on the production of reactive oxygen and nitrogen species by phagocytes. *J Med Food*, 16, 2013, 711-718, ISSN 1096-620X.

IF 1.642

43. Petrova P., Petrov K., Stoyancheva G. Starch-modifying enzymes of lactic acid bacteria – structures, properties, and applications. *Starch-Starke* 65, 2013, 34-47, ISSN 0038-9056.

IF 1.220

44. Petrova P., Tomova I., Petrov K., Nikov I., Tonkova A. Purification and properties of a new recombinant cyclodextrin glucanotransferase from *E. coli* BL21 (DE3) pJCGT8-5. *Comp. Ren. 'Acad. Bulg. Sc.*, 66, 2013, 1437-1444, ISSN 1310-1331.

IF 0.211

45. Popova M., Dimitrova R., Al-Lawati H.T., Tsvetkova I., Najdenski H., Bankova V. Omani propolis: chemical profiling, antibacterial activity and new propolis plant sources. *Chem. Central J.* 7, 2013,158. ISSN 1752-153 doi: 10.1186/1752-153X-7-158.

IF 1.31

46. Radchenkova N., Vassilev S., Panchev I., Anzelmo G., Tomova I., Nicolaus B., Kuncheva M., Petrov K., Kambourova M. Production and properties of two novel exoplosaccharides synthesized by a thermophilic bacterium *Aeribacillus pallidus* 418. *Appl. Biochem. Biotechnol.,* 171, 2013, 31-43, ISSN 0273-2289.

IF 1.893

47. Raykov Z., Grekova S. P., Bour G., Lehn J. M., Giese N. A., Nicolau C., Aprahamian M. Myo-inositol trispyrophosphate-mediated hypoxia reversion controls pancreatic cancer in rodents and enhances gemcitabine efficacy. *Int. J. Cancer.,* 2013, Nov 10. doi: 10.1002/ijc.28597, online ISSN 1097-0215.

IF 6.2

48. Raykov Z., Grekova S. P., Hörlein R., Leuchs B., Giese T., Giese N. A., Rommelaere J., Zawatzky R., Daeffler L. TLR-9 contributes to the antiviral innate immune sensing of rodent parvoviruses MVMp and H-1PV by normal human immune cells. *PLoS One*, 8(1), 2013, e55086. doi: 10.1371/journal.pone.0055086, ISSN 1932-6203.

IF: 3.7

49. Raynova Y., Doumanova L., Idakieva K. Phenoloxidase activity of *Helix aspersa* Maxima (garden snail, gastropod) hemocyanin. *The Protein Journal*, 32, 2013, 609-618. ISSN: 1572-3887.

IF: 1.126

50. Staneva R., Rukova B., Hadjidekova S., Nesheva D., Antonova O., Dimitrov P., Simeonov V., Cukuranovic R., Cukuranovic J., Stefanovic V., Polenakovic M., Dimova I., Hlushchuk R., Djonov V., Galabov A., Toncheva D. Whole genome methylation array analysis reveals new aspects in BEN etiology. *BMC Nephrology,* 24, 2013, 225. doi:10.1186/1471-2369-14-225. ISSN 1471-2369.

IF 1.64

51. Stavrakov G., valcheva V., Philipova I., Doytchinova I. Novel campahne-based anti-tuberculosis agents with nanomolar activity. *Eur. J. med. Chem.,* 70, 2013, 372-379. ISSN 0223-5234.

IF 3.499

52. Serafimovska J.M., Arpadjan S., Stafilov T., Tsekova K. Study on the antimony species distribution in industrially contaminated soils. *J. Soils Sediments,* 13(2), 2013, 294-303, ISSN 1614-7480.

IF 1.965

53. Shivarov V., Dimitrova P., Vassilev T. Complex downstream effects of nuclear export inhibition in B-cell lymphomas: a possible role for activation-induced cytidine deaminase (AID). *Haematologica,* 98, 2013, e111-113, ISSN 0390-6078.

IF 5.9

54. Staneva R., Rukova B., Hadjidekova S., Nesheva D., Antonova O., Dimitrov P., Simeonov V., Cukuranovic R., Cukuranovic J., Stefanovic V., Polenakovic M., Dimova I., Hlushchuk R., Djonov V., Galabov A., Toncheva D. Whole genome methylation array analysis reveals new aspects in BEN etiology. *BMC Nephrology,* 24, 2013, 225. doi:10.1186/1471-2369-14-225.

IF 1.64

55. Stein E., Inic-Kanada A., Belij S., Montenaro J., Bintner N., Schlacher S., Lubitz W., Stojanovic M., Najdenski H., Barisani-Asenbauer T. In vitro and in vivo uptake study of *Escherichia coli* Nissle 1917 bacterial ghosts: cell-based delivery system to target ocular surface diseases. *Invest. Ophtalmol. Vis. Sci.,* 54, 9, 2013, 6326-6333, ISSN 1552-5783

IF 3.441

56. Steingroewer J., Bley T., Georgiev V., Ivanov I., Lenk F., Marchev A., Pavlov A. Bioprocessing of differentiated plant in vitro systems. *Engineering in Life Sciences*,

13(1), 2013, 26-38, ISSN 1618-2863.

IF 1.925

57. Tomova A., Tomova I., Vasileva-Tonkova E., Lazarkevich I., Stoilova-Disheva M., Lyutskanova D., Kambourova M. *Myroides guanonis* sp. nov., isolated from prehistoric paintings. *Int. J. System.Evol. Microbiol.,* 63, 2013, 4266–4270, ISSN 1466-5026.

IF 2.112

58. Tomova I., Lazarkevich I., Tomova A., Kambourova M., Vasileva-Tonkova E. Diversity and biosynthetic potential of culturable aerobic heterotrophic bacteria isolated from Magura Cave, Bulgaria. *Int. J. Speleol.*, 42, 2013, 65-76, ISSN 0392-6672.

IF 2.057

59. Topouzova-Hristova T., Stoitsova S., Paunova-Krasteva T., Doumanov J., Stephanova E. Changes in the actin cytoskeleton and actin-associated proteins in HeLa cells as a result of *E. coli* O157:H7 infection. *Bulg. J. Agric. Sc.*, 19, 2013, 155-158, ISSN 1310-0351.

IF 0.189

60. Tropcheva R., Hristova J., Georgieva R., Salageanu A., Sgouras D. N., Danova S. *In vitro* assessment of prebiotic utilization by dairy lactobacilli. *Bulg. J. Agric. Sc.*, 19, 2013, 105–107. ISSN 1310-0351.

IF 0.189

61. Tsekova K., Chernev G., Hristov A., Kabaivanova L. Phenol biodegradation by fungal cells immobilized in sol-gel hybrids. *Z. Naturforsch.*, 68c, 2013, 53-59, ISSN 0939-5075.

IF 0.772

62. Vlaev S, Russinova-Videva S., Pavlova K., Kuncheva M., Panchev I., Dobreva S. Submerged culture process for biomass and exopolysaccharide production by Antarctic yeast: some engineering considerations. *Appl. Microbiol Biotechnol* 97, 2013, 5303-5313, ISSN 0175-7598.

IF 3.613

63. Voutquenne-Nazabadioko L., Gevrenova R., Borie N., Harakat D., Sayagh C., Weng A., Thakur M., Zaharieva M., Henry M. Triterpenoid saponins from the roots of *Gypsophila trichotoma* Wender. *Phytochemistry*, 90, 2013, 114-27, ISSN 0031-9422.

IF 3.050

64. Voyslavov T., Georgieva S., Arpadjan S., Tsekova K. Phytoavailability assessment of cadmium and lead in polluted soils and accumulation by *Matricaria chamomilla* (chamomile). *Biotechnol. Biotechnol. Eq.*, 27(4), 2013, 3939-3943, ISSN 1310-2818.

IF 0.760

65. Wang H. P., Tian Y., Kalchev B., Simeonov I., Christov N. Pilot-scale biogas plant: description, modelling and composed recursive control. *Journal of Control Engineering and Applied Informatics* 15 (2), 2013, 38-45, ISSN 1454-8658.

IF 0.338

I.3. БЕЗ РЕФЕРИРАНЕ И ИНДЕКСИРАНЕ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ

1. Димитров Д., Гавраилов С., Иванова В., Тонкова А. Приложение на магнитно-модифицирани силикати за имобилизиране на ензима циклодекстрин глюканотрансфераза чрез адсорбция. *Пета Национална научна конференция за студенти, докторанти и млади учени,* 2013, СУБ-Пловдив

2. Георгиева Л., Марчев А., Божинов Б., Ганева Д., Павлов А. Адаптиране на HPLC метод за определяне на органични киселини в български сортове домати. *Scientific works of UHT*, 60, 626-6631. ISSN 1314-7102.

3. Георгиева Л., Марчев А., Иванов И., Ганева Д., Божинов Б., Павлов А. Адаптирани HPLC методи за определяне на каротеноиди и токофероли в различни сортове домати. *Scientific works of UHT*, 60, 2013, 632-637, ISSN 1314-7102.

4. Гергинова М., Манасиев Й., Пенева Н., Алексиева З. Биодеградация на химични смеси от фенол и хидроксилирани фенолни производни. *Научни трудове на УХТ*, "Хранителна Наука, техника и технологии – 2013", LX, 2013, 1486-1489, ISSN 1314-7102.

5. Желязкова А., Захариева М. Лекарствена безопасност: дизайн на предклиничното ин витро проучване. Наука и младост (сборник научни съобщения от конкурсна сесия). Редактори Сарафян В., Маринов Б., Медицински университет Пловдив**,** 2013, 292-298, ISBN 1314-9229.

6. Милева М., Михайлова Г., Гаджалова Д., Димитрова В., Кръстева В. Антиоксидантите – Ахилесова пета на грипа. 2013, Юбилейна национална конференция по случай 170 год. от рождението на Йорданка Филаретова - Доклади и постери. ISSN 2039-4713.

7. Милева М., Саитова Г., Додумова Ф., Славова А. Специфични инхибитори на вирусната репликация като подходи за лечение на пандемичния грип. 2013, Юбилейна национална конференция по случай 170 год. от рождението на Йорданка Филаретова - Доклади и постери. ISSN 2039-4713.

8. Кунчева М., Панчев И., Павлова К., Русинова – Виденова С., Георгиева К., Камбурова М., Радченкова Н. Повърхностно напрежение и пенообразувателна способност на микробни полизахариди. *Сборник от конференция в Съюза на учените*, 2013.

9. Орозова П., Чикова В., Късовски В., Найденски Х. Пасивната имунизация – надеждна алтернатива в борбата с ентеропатогенните инфекции. Вет. Сбирка, 1, 2013, 21-24 ISSN 0205-3829

10. Хъмова И., Гавраилов С., Иванова В., Тонкова А. Имобилизиране на ензима циклодекстрин глюканотрансфераза върху магнитно-модифицирани носители. *Пета Национална научна конференция за студенти, докторанти и млади учени*, 2013, СУБ-Пловдив.

11. Чорукова Е., Симеонов И. Мониторингова система на пилотен биореактор за анаеробна биодеградация на органични отпадъци. *Сборник доклади на XXI Международен симпозиум „Управление на топлоенергийни обекти и системи*, 7-8 ноември 2013, Банкя, България, 93-96.

12. Blagoeva G., Petrova P., Petrov K., Gotcheva V., Angelov A. Amylolytic probiotics with application in food industry. ENGIHR The Intestinal Microbiota and Gut Health: Contribution of the Diet, Bacterial Metabolites. *Host Inter. Imp. Health Disease*, 2013.

13. Diop S., Simeonov I. Dynamic estimation of specific growth rates and concentrations of bacteria for the anaerobic digestion. *Proc of 3rd International Conference on Systems and Control*, October 29-31, 2013, Algiers, Algeria.

14. Diop S., Steyer J.-P., Simeonov I. A dynamic estimation scheme of specific growth rates of bacteria for an anaerobic wastewater treatment process. *Proc. of 17th International Conference on System Theory, Control and Computing, Joint Conference SINTES 17, SACCS 13, SIMSIS 17*, October11-13, 2013, Sinaia, Romania.

15. Gerginova M., Peneva N., Krastanov A., Alexieva Z. Analysis of key enzymes involved in the degradation of catechol and o-cresol by *Aspergillus fumigatus* strain Al3, isolated from the Antarctic soil. *Sci. Works UFT*, „Food Science, Engineering and Technology 2013“, LX, 1483-1485, ISSN 1314-7102.

16. Gerginova M., Peneva N., Krumova E., Alexieva Z. Biodegradation ability of fungal strains isolated from Antarctica toward PAH. *Proc. 13th Int. Conf. Environ. Sci. Technol*., Athens, Greece, Art. N 578, 2013, ISSN 1106-5516.

17. Kabaivanova L., Christova N., Petrov P. Enhanced biosurfactant synthesis by cryogel entrapped bacteria. Proceedings Book of XXI International Conference on Bioencapsulation, Berlin, Germany; August 28-30, 2013, 34-35.

18. Mihaylova D., Georgieva L., Pavlov A. *In vitro* antioxidant activity and phenolic composition of *Nepeta cataria* L. extracts. *International Journal of Agricultural Science and Technology*. 1(4), 2013, 74-79. ISSN Print 2327-7246.

19. Módenes A.N., Ross A.A., Souza B.V., Dotto J., Geraldi C.Q., Espinoza-Quiñones F.R., Kroumov A.D. Biosorption of BF-4B reactive red dye by using leaves of macrophytes eichhornia crassipes. *Int. J. Bioautom.,* 17(1), 2013, 33-44, ISSN 1314-1902.

20. Pavlova V., Georgieva L., Paunova Ts., Stoitsova S., Nikolova E.. Carbohydrate localization in intestinal glycocalyx. *Science and Technologies*, III, 2013, 17-21, ISSN 1314-4111.

21. Simeonov I., Stoyanov S. Extremum seeking control of the anaerobic digestion of organic wastes with acetate inhibition. *Proc. of Int. Conf. „Automatics and Informatics'2013"*, October 3-7, 2013, Sofia, Bulgaria, I-47-50.

22. Teneva P., Kichukova K., Dobreva I., Tacheva T, Yakovlieva M., Mihaylova S., Tropcheva R., Tolekova A., Danova S., Vlaykova T. Lipid profile of rats after diet enriched with fructose and potential probiotic strains of the genus *Lactobacillus*. *Science & Technologies*, III, 2013, 326-331, ISSN 1314-4111.

23. Topouzova-Hristova T., Atanasova B., Strateva T., Paunova-Krasetva Ts., Stephanova E., Mitov I., Stoitsova S. Comparative study of the cytotoxic effects of two *P. aeruginosa* cystic fibrosis isolates. *Science and Technologies*, III, 2013, 1-4, ISSN 1314-4111.

24. Vilhelmova-Ilieva N. Plant substances are promising inhibitors of herpes virus infections. Proceeding of the Fourth Workshop on Experimental Models and Methods in Biomedical Research. Sofia, Bulgaria, May 27-29, 2013, 33-38. ISSN 1314-9091.

25. Vilhelmova-Ilieva N. Biological properties of ellagitannins important for human health. Proceeding of the fourth workshop on experimental models and methods in biomedical research. Sofia, Bulgaria, May 27-29, 2013, 39-43. ISSN 1314-9091.

26. Vlaev S., Pavlova K., Kuncheva M., Panchev I., Dobreva S., Martinov M. Biotechnology for production of glucomannan by Antarctic yeast. *Scientific works UFT*, 2013. vol. LX, 946-951.

I.4. МОНОГРАФИИ

1. Гергиева Н., Данова С., Пробиотици, издател ХТМУ – София, 2013, стр.190; ISBN 978-954-465-071-1.

2. Georgiev V., Marchev A., Berkov S., Pavlov A. Plant *in vitro* systems as sources of tropane alkaloids. In: Handbook of Natural Products - Phytochemistry, Botany and Metabolism of Alkaloids, Phenolics and Terpenes (K.G. Ramawat, J.M. Merillon eds.), *Springer-Verlag*, Berlin Heidelberg, 2013, pp. 173-211, ISBN 978-3-642-22143-9.

3. Ilieva Y., Zhelezova I., Dineva I., Atanasova T., Momekov G., Konstantinov S., Sasheva P., Ionkova I., Zaharieva M. M. Justicidin B – a potential antineoplastic drug of plant biotechnological origin. Resources of Danubian region: the possibility of cooperation and utilization. Eds Popović L. Č., Vidaković M., Kostić D. S., Humboldt-Club Serbien Belgrade**,** 2013, 154-162, ISBN 978-86-916771-1-4.

4. Panchev I., Marudova M., Dobreva S., Kambourova M., Radchenkova N., Kuncheva M. Physical characteristics of emulsion cosmetic creams containing exopolysaccharide extracted from *Aeribacillus pallidus* 13-2. *Scientific works volume LX "Food science, engineering and technologies",* 2013, 476-481.

5. Raykov Z., Grekova S., Angelova A., Rommelaere J. Parvoviruses: the friendly anticancer immunomodulator. In: *Molecular Vaccines. From Prophylaxis to Therapy*, Volume 1 (Matthias Giese, ed.), 413-424, ISBN 978-3-7091-1418-6.

6. Zaharieva M. M., Amudov G., Konstantinov S. M., Guenova M. L. Modern therapy of chronic myeloid leukemia. Leukemia. Eds: Guenova M., Balatzenko G., InTech Rijeka**,** 2013, 227-244, ISBN 978-953-51-1127-6.

7. Zaharieva M. M., Petkov N., Konstantinov S. M., Berger M. R. The new alkylphosphocholine erufosine ameliorates bone marrow toxicity of classical cytostatics. Resources of Danubian region: the possibility of cooperation and utilization. Editors Popović L. Č., Vidaković M., Kostić D. S., Humboldt-Club Serbien Belgrade**,** 2013, 376-388, ISBN 978-86-916771-1-4.

I.5. УЧЕБНИЦИ, УЧЕБНИ ПОМАГАЛА, ПУБЛИЦИСТИКА, НАУЧНО-ПОПУЛЯРНИ ПРОИЗВЕДЕНИЯ

1. Милева М. Лекции по аналитична химия за студентите от специалност „Помощник-фармацевт" при Медицински колеж „Йорданка Филаретова" – изд. МК „Й. Филаретова", София 2013 – Четвърто преработено издание.

2. Милева М. Ръководство за практически упражнения по аналитична химия за студентите от специалност „Помощник-фармацевт" при Медицински колеж „Йорданка Филаретова – изд. МК „Й. Филаретова", София 2013 – Трето преработено издание

3. Милева М., Пашов Й., Масларов Д. Ръководство по долекарска помощ Изд. РИК „Искра-М-И" 2013, ISBN 978-619-7095-03-06.

4. Гълъбов А. 4 вируса ни тръшкат.*България днес,* 2, 2013, бр. 96 (546), 23.04.2013 г., стр. 6.

5. Гълъбов А. Летен грип докарва диабет при тийнейджърите. *Деветнадесет минути*, 2013, бр. 1138, 9.07.2913, стр. 3.

6. Гълъбов А. Лечение на сезонния грип. *МедикАрт*, 7, 2013, бр. 1, стр. 26-28.

7. Гълъбов, А., Галев П. Грипът разтърсва целия организъм. *Животът днес,* 1, 2013, бр. 9.02.2013.

8. Гълъбов А., Галев П. Сезонният грип създава повече проблеми от свинския. *Животът днес*, 1, 2013, бр. 3(37), 22-28.01.2013, стр. 1 и 11.

9. Гълъбов А., Генадиева Р. Не сме конски народ, рода сме с италианците. *Жълт труд*, 23, 2013, бр. 42, 16-22.10.2013 г., стр. 16.

10. Гълъбов А., Динева С. Българите не са хуно-татари, а индоевропейци. *Българска армия*, 122, 2013, бр. 36 (23 715), стр. 11.

11. Гълъбов А., Иванова Е. За генетиката на народа български. *Трета възраст*, 22, 2013, бр. 5 (1056), 27.12.2012 – 2.01.2013, стр. 1 и 10.

12. Гълъбов А., Кайкова Л. Грипът се лекува в четири стъпки/Сред най-застрашените са хора с проблеми в сърдечносъдовата система. *168 часа*, 23, 2013, бр. 5, 1-7.02.2013, стр. 49.

13. Гълъбов А., Калчева М. Наш учен атакува мозъчни тумори с вирус. *Доктор*, 13, 2013, 40(603), 7-14.10.2013, стр. 18.

14. Гълъбов А., Първанов Ив. Българите говорят славянски, но са по-близки до италианците. *Монитор*, 2013, 8.10.2013, стр. 1, стр. 14-15.

15. Гълъбов А., Радева М. 2000 българи може да умрат от грип. *Ретро*, 5, 2013, бр. 1 (161), 3-9.01.2013, стр. 19.

16. Николова С., А. Гълъбов. Летен грип докарва диабет. *Монитор*, 2013, 9.07.2013, стр. 7.

17. Попова Е., Гълъбов А. Студ мори сирийските бежанци. *Репортер*, 2013, бр. 296, 13.11.2013, стр. 1, стр. 5.

18. Христова В., Гълъбов А. Чакаме грипа в края на януари. *Дума*, 22, 2013, бр. 5 (6409), 8.01.2013, стр. 13.

11. 2. ПРИЕТИ ЗА ПЕЧАТ С ДОКУМЕНТ ОТ ИЗДАТЕЛЯ

II.1. РЕФЕРИРАНИ И ИНДЕКСИРАНИ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ

1. Милева С., Петрова П., Стоянчева Г., Стоянов А., Лахчев К. Съпътстващи микроорганизми в биоетанолните производства. *Екологично инженерство и опазване на околната среда (Ecological Engineering and Environmental Protection)*, 2013, (*in press*), ISSN 1311 8668.

2. Abrashev R., Stoitsova S., Krumova E., Pashova S., Paunova-Krasteva T., Vassilev S., Dolashka-Angelova P., Angelova M. Temperature-stress tolerance of the fungal strain *Aspergillus niger* 26: physiological and ultrastructural changes *World J. Microbiol. Biotechnol.,* 2013, (in press). ISSN 0959-3993; e-ISSN 1573-0972.

IF 1.262

3. Angelov M., Ivanova B., Pavlov A., Ganeva D., Danailov Zh., Bojinov B. Development of ISSR markers for Bulgarian tomato breeding collection aiming to improve antioxidant compounds in fruits. *Bulgarian Journal of Agricultural Science*. 2013, in press, ISSN 1310-0351.

IF 0.19

4. Bankova, V., Galabov A. S., Antonova D., Vilhelmova N., Di Perri B. Chemical composition of Propolis Extract ACF® and activity against herpes siplex virus. *Phytomedicine,* 2013, in press.

IF 2.972

5. Bilyana I., Angelov M., Pavlov A., Ganeva D., Danailov Zh., Bojinov B. Applicability of inter-simple sequence repeat markers in developing tomato breeding population. *Agricultural Sciences*, 2013, in press.

6. Georgiev V., Ivanov I., Berkov S., Pavlov A. Temporary immersion systems for *Amaryllidaceae* alkaloids biosynthesis by *Pancratium maritimum* L. shoot culture. *Journal of Plant Biochemistry and Biotechnology*, 2013, DOI: 10.1007/s13562-013-0222-x; in press, ISSN: 0971-7811.

IF 0.414

7. Georgieva K., Yoneva A., Mizinska-Boevska Ya., Stoitsova S.R. Localization of galactose residues in the surface coat of *Fasciola hepatica* miracidia. *Comp. Ren. 'Acad. Bulg. Sc.*, 2013, (*in press*), ISSN 1310-1331.

IF 0.211

8. Gerginova M., Zlateva P., Peneva N., Alexieva Z. Study of the degradation of phenolic compounds by strains of filamentous yeast and fungi. *Biotechnol. Biotechnol. Eq*., 2013, (*in press*), ISSN 1310-2818.

IF 0.622

9. Gesheva V., Chausheva S., Mihaylova N., Manoylov I., Doumanova L., Idakieva K., Tchorbanov A. Anti-cancer properties of gastropodan hemocyanins in murine model of colon carcinoma. *Marine drugs* 2013, (in press) ISSN 1660-3397.

IF 3.978

10. Gesheva V., Kerekov N., Nikolova K., Mihaylova N., Todorov T., Nikolova M., Tchorbanov A. Suppression of dsDNA-specific B lymphocytes reduces disease symptoms in SCID model of mouse lupus. *Autoimmunity* 2013, (in press). ISSN 0891-6934.

IF 2.767

11. Gousterova A., Paskaleva D., Vasileva-Tonkova E. Characterization of culturable thermophilic actinobacteria from Livingston Island, Antarctica. *Int. Res. J. Biol. Sci*., 2013, (*in press*), ISSN 2278-3202.

12. Gyurkovska V., Stefanova T., Dimitrova P., Danova S., Tropcheva R., Ivanovska N. Tyrosine kinase inhibitor Tyrphostin AG490 retards chronic joint inflammation in mice. *Inflammation* 2013 (in press), ISSN 0360-3997.

IF 2.457

13. Ivanova J., Kabaivanova L., Petrov P., Yankova S. Optimization strategies for improved growth, polysaccharide production and storage of the red microalga *Rhodella reticulata. Bulg. Chem. Commun.,* 46(2), 2013, ISSN 0861-9808.

IF 0.283

14. Ivanova V., Petrov K., Safarikova M., Safarik I., Petrova P., Tonkova A. Immobilization of CGTase on magnetically activated natural supports and silicates. *Int. Rev. Chem. Eng.,* 5, in press, ISSN 2035-1755.

IF 0.09

15. Ivanova V., Tomova I., Kamburov A.,Tomova A., Vasileva-Tonkova E., Kambourova M. High phylogenetic diversity of bacteria colonizing prehistorical paintings in Magura Cave, Bulgaria. *J. Cave Karst Stud*., 2013 (*in press*), ISSN 1090-6924.

IF 0.474

16. Kabaivanova LV., Chernev GE., Markov PV., Miranda Salvado IM. Hybrid materials parameters influencing the enzyme activity of immobilized cells. *Bulg. Chem. Commun.*, 46(1), 2013, ISSN 0861-9808.

IF 0.283

17. Kalniev M., Krastev D., Krastev N., Vidinov K., Veltchev L., Apostolov A., Mileva M. A rare variation of the digastric muscle. *Clujul Medical*, ISSN 2066-8872.

18. Kindekov I., Mileva M., Krastev D., Vassilieva V., Raynova Y., Doumanova L., Idakieva K. Radioprotective effects of *Rapana thomasiana* hemocyanin in gamma induced acute radiation syndrome. *Biotechnol. Biotechnol. Eq.,* ISSN 1310-2818.

IF 0.760

19. Koleva R., Krastanov A., Stoilova I., Alexieva Z. Decolorization of industrial dyes by immobilized mycelia of *Trametes versicolor*. *Biotechnol. Biotechnol. Eq*., 2013, (*in press*), ISSN 1310-2818.

IF 0.622

20. Kümmritza S., Haas Ch., Pavlov A., Geib D., Ulber R., Bley Th., Steingroewer J. Determination of triterpenic acids and screening for valuable secondary metabolites in *Salvia* sp. suspension cultures. *Natural Product Communications*, 2013, in press, ISSN 1934-578X.

IF=0.956

21. Marchev A., Haas Ch., Schulz S., Georgiev V., Steingroewer J., Bley Th., Pavlov A. Sage in vitro cultures: a promising tool for the production of bioactive terpenes and phenolic substances. *Biotechnology Letters*, 2013, In press, ISSN 0141-5492.

IF 1.853

22. Nikolaeva-Glomb L., Mukova L., Nikolova N., Badjakov I., Dincheva I., Kondakova V., Doumanova L., Galabov A. S. *In Vitro* antiviral activity of a series of wild berry fruit extracts against representatives of *Picorna*-, *Orthomyxo*- and *Paramyxoviridae*. *Natural Product Communications,* (in press). ISSN 1934-578X, e-ISSN 1555-9475.

IF 0.956

23. Paunova-Krasteva Ts., Topouzova-Hristova T., Stoitsova S. R. *Escherichia coli* O157: effects of growth temperature on lectin binding and adherence to cultured cells. *Comp. Ren. 'Acad. Bulg. Sc.*, 2013, (*in press*), ISSN 1310-1331.

IF 0.211

24. Prasanth S. C., Karunakaran S., Paul A., Kussovski V., Mantareva V., Ramaiah D., Selvaraj L., Angelov I., Krishnankutty N., Avramov L., Subhash N. Antimicrobial photodynamic efficiency of novel cationic porphyrins towards periodontal Gram-positive and Gram-negative pathogenic bacteria. *Photochem. Photobiol*., (in press, 2013), ISSN 1751-1097**.**

IF 2.287

25. Stavrakov G., Philipova I., Valcheva V., Momekov G. Synthesis and antimycobacterial activity of novel camphene-based agents. Biorg. Med. Chem. Lett., 24, 2014, 165-7. ISSN 0960-894X

IF 2.427

26. Stavrakov, G., I. Philipova, V. Valcheva, Synthesis and antimycobacterial activity of bornylamine derived amido-alcohols. *Central Eur J Chem*. (in press) ISSN 0223-5234

IF 3.499

27. Stavrakov, G., Philipova, I., Valcheva, V., Doytchinova, I. Design of novel camphane-based derivatives with antimycobacterial activity. *J Mol Graph Model*, (in press), ISSN 1093-3263

IF-2.325

28. Stoitsova S. R., Paunova-Krasteva Ts., Pavlova V., Nikolova E. Stimulated gut differentiation and the risks of bacterial infection. *Comptes rendus de l'ABS*, 2013, (*in press*), ISSN 1310-1331.

IF 0.211

29. Stoyanov A., Petrova P., Lyutskanova D., Lahtchev K. Structural and functional analysis of PUR 2, 5 gene encoding bifunctional enzyme of *de novo* purine biosynthesis in *Ogataea (Hansenula) polymorpha* CBS 4732. *Microbiol. Res., (in press),* 2013, ISSN 0944-5013.

IF 1.993

30. Teneva Ts., Beshkova D., Marchev A., Nikolova M., Frengova G., Pavlov A. *Geranium sanguineum* L. - an alternative source for isolation of lactic acid bacteria. *Ecolog. Eng. Environ. Prot.*, 2013- in press.

31. Tropcheva R., Georgieva R., Paskov V., Karsheva M., Danova S. Sensory properties of Bulgarian yoghurts, supplemented with lactobacilli as probiotic adjuncts, *J. Text. Studies*, 2013, (*in press*), ISSN 1745-4603.

32. Tsekova K., Todorova D., Ganeva S. Influence of operating conditions on the removal of heavy metals from industrial wastewater by biosorption. *Environ. Eng. Manag. J.*, 12, 2013, ISSN 1843-3707.

IF 1.117

33. Tsvetanova F., Petrova P., Petrov K. Direct production of 2,3-butanediol from starch by

extracellular over-expression of α-amylase gene in engineered *Klebsiella pneumoniae* G31-A. *Appl. Microbiol. Biotechnol.*, 2013, (*in press*), ISSN 0175-7598.

IF 3.689

34. Vasileva-Tonkova E., Romanovskaya V., Gladka G., Gouliamova D., Tomova I., Stoilova-Disheva M., Tashyrev O. Ecophysiological properties of cultivable heterotrophic bacteria and yeasts dominating in phytocenoses of Galindez Island, maritime Antarctica. *World J. Microbiol. Biotechnol*., 2013, (*in press*), ISSN 0959-3993.

IF 1.262

35. Yasar Yildiz S., Anzelmo G., Ozer T., Radchenkova N., Genc S., Di Donato P., Nicolaus B., Toksoy Oner E., Kambourova M. *Brevibacillus themoruber*: A promising microbial cell factory for exopolysaccharide production. *J. Appl. Microbiol.,* in press, ISSN 1364-5072.

IF 2.196

II.2. В ИЗДАНИЯ С ИМПАКТ ФАКТОР*

*(дадените импакт фактори са за 2012 г.)

1. Abrashev R., Stoitsova S., Krumova E., Pashova S., Paunova-Krasteva T., Vassilev S., Dolashka-Angelova P., Angelova M. Temperature-stress tolerance of the fungal strain *Aspergillus niger* 26: physiological and ultrastructural changes *World J. Microbiol. Biotechnol.,* 2013, (in press). ISSN 0959-3993; e-ISSN 1573-0972.

IF 1.262

2. Angelov M., Ivanova B., Pavlov A., Ganeva D., Danailov Zh., Bojinov B. Development of ISSR markers for Bulgarian tomato breeding collection aiming to improve antioxidant compounds in fruits. *Bulgarian Journal of Agricultural Science*. 2013, in press, ISSN 1310-0351.

IF 0.19

3. Bankova, V., Galabov A. S., Antonova D., Vilhelmova N., Di Perri B. Chemical composition of Propolis Extract ACF® and activity against herpes siplex virus. *Phytomedicine,* 2013, in press.

IF 2.972

4. Georgiev V., Ivanov I., Berkov S., Pavlov A. Temporary immersion systems for *Amaryllidaceae* alkaloids biosynthesis by *Pancratium maritimum* L. shoot culture. *Journal of Plant Biochemistry and Biotechnology*, 2013, DOI: 10.1007/s13562-013-0222-x; in press, ISSN: 0971-7811.

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5. Georgieva K., Yoneva A., Mizinska-Boevska Ya., Stoitsova S.R. Localization of galactose residues in the surface coat of *Fasciola hepatica* miracidia. *Comp. Ren. 'Acad. Bulg. Sc.*, 2013, (*in press*), ISSN 1310-1331.

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6. Gerginova M., Zlateva P., Peneva N., Alexieva Z. Study of the degradation of phenolic compounds by strains of filamentous yeast and fungi. *Biotechnol. Biotechnol. Eq*., 2013, (*in press*), ISSN 1310-2818.

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7. Gesheva V., Chausheva S., Mihaylova N., Manoylov I., Doumanova L., Idakieva K., Tchorbanov A. Anti-cancer properties of gastropodan hemocyanins in murine model of colon carcinoma. *Marine drugs* 2013, (in press) ISSN 1660-3397.

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8. Gesheva V., Kerekov N., Nikolova K., Mihaylova N., Todorov T., Nikolova M., Tchorbanov A. Suppression of dsDNA-specific B lymphocytes reduces disease symptoms in SCID model of mouse lupus. *Autoimmunity* 2013, (in press). ISSN 0891-6934.

IF 2.767

9. Gyurkovska V., Stefanova T., Dimitrova P., Danova S., Tropcheva R., Ivanovska N. Tyrosine kinase inhibitor Tyrphostin AG490 retards chronic joint inflammation in mice. *Inflammation* 2013 (in press), ISSN 0360-3997.

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10. Ivanova J., Kabaivanova L., Petrov P., Yankova S. Optimization strategies for improved growth, polysaccharide production and storage of the red microalga *Rhodella reticulata. Bulg. Chem. Commun.,* 46(2), 2013, ISSN 0861-9808.

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15. Koleva R., Krastanov A., Stoilova I., Alexieva Z. Decolorization of industrial dyes by immobilized mycelia of *Trametes versicolor*. *Biotechnol. Biotechnol. Eq*., 2013, (*in press*), ISSN 1310-2818.

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16. Kümmritza S., Haas Ch., Pavlov A., Geib D., Ulber R., Bley Th., Steingroewer J. Determination of triterpenic acids and screening for valuable secondary metabolites in *Salvia* sp. suspension cultures. *Natural Product Communications*, 2013, in press, ISSN 1934-578X.

IF=0.956

17. Marchev A., Haas Ch., Schulz S., Georgiev V., Steingroewer J., Bley Th., Pavlov A. Sage in vitro cultures: a promising tool for the production of bioactive terpenes and phenolic substances. *Biotechnology Letters*, 2013, In press, ISSN 0141-5492.

IF 1.853

18. Nikolaeva-Glomb L., Mukova L., Nikolova N., Badjakov I., Dincheva I., Kondakova V., Doumanova L., Galabov A. S. *In Vitro* antiviral activity of a series of wild berry fruit extracts against representatives of *Picorna*-, *Orthomyxo*- and *Paramyxoviridae*. *Natural Product Communications,* (in press). ISSN 1934-578X, e-ISSN 1555-9475.

IF 0.956

19. Paunova-Krasteva Ts., Topouzova-Hristova T., Stoitsova S. R. *Escherichia coli* O157: effects of growth temperature on lectin binding and adherence to cultured cells. *Comp. Ren. 'Acad. Bulg. Sc.*, 2013, (*in press*), ISSN 1310-1331.

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20. Prasanth S. C., Karunakaran S., Paul A., Kussovski V., Mantareva V., Ramaiah D., Selvaraj L., Angelov I., Krishnankutty N., Avramov L., Subhash N. Antimicrobial photodynamic efficiency of novel cationic porphyrins towards periodontal Gram-positive and Gram-negative pathogenic bacteria. *Photochem. Photobiol*., (in press, 2013), ISSN 1751-1097**.**

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22. Stavrakov, G., Philipova, I., Valcheva, V., Doytchinova, I. Design of novel camphane-based derivatives with antimycobacterial activity. *J Mol Graph Model*, (in press), ISSN 1093-3263

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23. Stoitsova S. R., Paunova-Krasteva Ts., Pavlova V., Nikolova E. Stimulated gut differentiation and the risks of bacterial infection. *Comptes rendus de l'ABS*, 2013, (*in press*), ISSN 1310-1331.

IF 0.211

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Ogataea (Hansenula) polymorpha CBS 4732. *Microbiol. Res., (in press),* 2013, ISSN 0944-5013.

IF 1.993

25. Tsekova K., Todorova D., Ganeva S. Influence of operating conditions on the removal of heavy metals from industrial wastewater by biosorption. *Environ. Eng. Manag. J.*, 12, 2013, ISSN 1843-3707.

IF 1.117

26. Tsvetanova F., Petrova P., Petrov K. Direct production of 2,3-butanediol from starch by extracellular over-expression of α-amylase gene in engineered *Klebsiella pneumoniae* G31-A. *Appl. Microbiol. Biotechnol.*, 2013, (*in press*), ISSN 0175-7598.

IF 3.689

27. Vasileva-Tonkova E., Romanovskaya V., Gladka G., Gouliamova D., Tomova I., Stoilova-Disheva M., Tashyrev O. Ecophysiological properties of cultivable heterotrophic bacteria and yeasts dominating in phytocenoses of Galindez Island, maritime Antarctica. *World J. Microbiol. Biotechnol*., 2013, (*in press*), ISSN 0959-3993.

IF 1.262

28. Yasar Yildiz S., Anzelmo G., Ozer T., Radchenkova N., Genc S., Di Donato P., Nicolaus B., Toksoy Oner E., Kambourova M. *Brevibacillus themoruber*: A promising microbial cell factory for exopolysaccharide production. *J. Appl. Microbiol.,* in press, ISSN 1364-5072.

IF 2.196

II.3. БЕЗ РЕФЕРИРАНЕ И ИНДЕКСИРАНЕ В СВЕТОВНАТА СИСТЕМА ЗА РЕФЕРИРАНЕ, ИНДЕКСИРАНЕ И ОЦЕНЯВАНЕ

1. Цветанова З., Димитров Д. Микробиологични проблеми в модел на питейно-битови водоснабдителни инсталации при симулирано инцидентно фекално замърсяване. Университетска годишна научна конференция на НВУ ”Васил Левски”, 27-28 юни 2013, Велико Търново, *Сборник научни трудове*, Издателски комплекс на НВУ ”Васил Левски” (под печат).

2. Цветанова З., Димитров Д. Оценяване на потенциала за микробен растеж на полимерни материали, предназначени за изграждане на питейно-битови водоснабдителни системи. Университетска годишна научна конференция на НВУ ”Васил Левски”, 27-28 юни 2013, Велико Търново, *Сборник научни трудове*, Изд. комплекс на НВУ ”Васил Левски” (под печат).

3. Galabov, A. S., Simeonova L., Gegova G., Todorova K., Mileva M. Combined activity of oseltamivir and Vitamin E against experimental infection with influenza virus type A/H3N2 *in vivo.* Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica ‘2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

4. Georgiev M. Metabolomics: an ideal platform for exploring biodiversity and accelerated lead finding? Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

5. Gousterova A., Paskaleva D., Vasileva-Tonkova E. Characterization of culturable thermophilic actinobacteria from Livingston Island, Antarctica. *Int. Res. J. Biol. Sci.,* 2013, ISSN 2278-3202.

6. Hubenov V., Simeonov I., Denchev D., Mihajlova S. Anaerobic co-digestion of swine manure, wasted fruits and vegetables and wheat straw. *8th Balkan Congress of Microbiology, Microbiologia Balkanica' 2013*, October 2-5, 2013, Veliko Tanovo, Bulgaria (под печат).

7. Ivanova V., Petrov K., Safarikova M., Safarik I., Petrova P., Tonkova A. Immobilization of CGTase on magnetically activated natural supports and silicates. *Intern. Rev. Chem. Engin.*, 5, 2013, (*in press*), ISSN 2035-1755.

8. Kroumov A.D., Gacheva G.V., Iliev I.I., Alexandrov S.D., Pilarski P.S., Petkov G.D. Analysis of S_f/V ratio of photobioreactors linked with algal physiology. *Genetics Plant Physiol.*, 3(1-2), 2013, ISSN 1314-5770.

9. Kuncheva M., Panchev I., Pavlova K., Rusinova-Videva S., Georgieva K., Kambourova M., Radchenkova N. The surface tention and пенообразувателна capacity of microbial polysaccharides. *Scientific Researches of the Union of Scientists in Bulgaria – Plovdiv, Series B: Natural Sciences and the Humanities*, 30-31 October 2013, vol. XV. (in press).

10. Panchev I, Kuncheva M., K. Pavlova K., Russinova-Videva S., Georgieva K. Rheological properties of water solutions and emulsions with exopolysaccharides synthesized by Antarctic yeasts. *Scientific Researches of the Union of Scientists in Bulgaria – Plovdiv, Series B: Natural Sciences and the Humanities*, 30-31 October 2013, vol. XV. (in press).

11. Panchev I, Kuncheva M., K. Pavlova K., Russinova-Videva S., Georgieva K., Dimitrova S. 2013. Phigysical and chemical characteristics of an exopolysaccharide synthesized by Antarctic yeast strain C*ryptococcus laurentii* AL_{62}. *Scientific Researches of the Union of Scientists in Bulgaria – Plovdiv, Series B: Natural Sciences and the Humanities*, 30-31 October 2013, vol. XV. (in press).

12. Petkov Y., Gurova E., Petrova R., Najdenski H. Isolation and identification of *Listeria monocytogenes* strains in sheep with clinical listeriosis. Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

13. Petkova N., Vrancheva R., Denev P., Ivanov I., Pavlov A., HPLC-RID method for determination of inulin and fructooligosacharides, *Acta Scientifica Naturalis*, 2013, in press.

14. Petrov N. Induction of systemic acquired resistance against cucumber mosaic virus in tomatoes cv. Ideal. Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

15. Petrov N., Galabov, A. S. 5' Untranslated region of Coxsackieviruses as a target for gene silencing. Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

16. Rusinova-Videva S., Dimitrova S, Georgieva K., Kacarova M., Pavlova K. Effect of Zn^{2+}, Cu^{2+} and Fe^{2+} ions for bioaccumulation of ergosterol, β-carotene and coenzyme $\mathbf{Q}_{10}$ by Antarctic yeast strain *Sporobolomyces salmonicolor* AL_1. Научна конференция Предизвикателства в химията, ПУ „П. Хилендарски", 22-23 ноември 2013 г. (in press).

17. Rusinova-Videva S., Dimitrova S, Georgieva K., Kacarova M., Pavlova K. Effect of Zn^{2+}, Cu^{2+} and Fe^{2+} ions for bioaccumulation of ergosterol, β-carotene and coenzyme $\mathbf{Q}_{10}$ by Antarctic yeast strain *Sporobolomyces salmonicolor* AL_1. Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

18. Stoyanova A., Nikolova I., Galabov A. S. Effect of the consecutive alternative administration (CAA) course of a novel triple anti-enteroviral combination in experimental Coxsackievirus B1 neuroinfection in mice. Proceedings 8th Balkan Congress of Microbiology/Microbiologia Balkanica '2013, Veliko Tarmovo, October 2nd-5th, 2013, in press.

II.4. МОНОГРАФИИ

1. Christova N., Stoineva I. Trehalose Biosurfactants. In: Biosurfactants: Research Trends & Applications – (Chapter 8), Editors, Milligan C.N., Sharma S., Mudhoo A. CRC Press (Taylor & Francis), 2013, 201-216. (*in press*). ISBN-10 1466518235.

2. Galabova D, Sotirova A, Karpenko E, Karpenko O. Role of Microbial Surface Active Compounds in Environmental Protection. In: The Role of Colloidal Systems in Environmental Protection, Editor: Fanun M., Publisher: Elsevier Science, 2013 712 pages (*in press*). ISBN 9780444632838.

3. Gerginova M., Peneva N., Manasiev J., Alexieva Z. Degradation of hydroxylated phenols by an *Aspergillus fumigatus* strain isolated from Antarctica. In: *Industrial, Medical and Environmental Applications of Microorganisms: Current Status and Trends*, Wageningen Academic Publishers, 2013, (*in press*), ISBN: 978-981-4405-03-4.
4. Ludwig-Mueller J., Xu J., Agostini E., Georgiev M. Advances in transformed root cultures for root biofactory and phytoremediation research, In: Root Engineering, Soil Biology (A. Morte and A. Varma, Eds.), 2013, Springer, in press.

5. Kapoor V., Zaharieva M. M., Berger M. R. Erufosine induces autophagy and apoptosis in oral squamous cell carcinoma: role of the Akt-mTOR signaling. Autophagy. Ed. Hayat M. A., Elsevier Inc., 3, 2013, DOI: 10.1016/B978-0-12-405529-2.00016-0 (in press).

6. Stoykov Y., Krastanov A., Pavlov A. Optimization of cultural conditions for production of chitinase by bacterial soil isolate. Industrial, Medical and Environmental Applications of Microorganisms: Current Status and Trends. Wageningen Academic Publishers 2013 – in press.

7. Pavlova K. Production of polymers and other compounds in industrial importance by cold-adapted yeasts. In: Buzzini P, Margesin R (eds) Cold-adapted yeasts: Biodiversity, Adaptation Strrategies and Biotechnological Significance, Springer Verlag, Berlin Heidelberg, 2013 (in press).

8. Tsvetkov I, Pavlov A., Marchev A., Mihalev K., Ivanov G., Kondakova V, Batchvarova R., Atanassov A. Omics technologies – new approaches for detection of unique qualities of small fruits. In: OMICS Technologies and Crops Improvement (N. Benkeblia Ed), 2013, in press.

ОБЩ ИМПАКТ ФАКТОР-184,07

12. СПИСЪК НА ЦИТИРАНИТЕ СТАТИИ (ПО ХРОНОЛОГИЧЕН РЕД)

1. Galabov, A.S., Galabov, B.S., Neykova, N.A. Structure-activity relationship of diphenylthiourea antivirals. *Journal of Medicinal Chemistry*, 23(9), 1980, 1048-1051, ISSN: 0022-2623
2. Poljakova-Krusteva, O., Mizinska-Boevska, Ya., Stoitsova, S. A cytochemical study of some phosphatases in the teguments of two cestode species. *Chelmintologia,* 16, 1983, 64-67.
3. Alexieva, Z., Duvall, E., Ambulos, N., Kim, U., Lovett, P.S. Chloramphenicol induction of cat - 86 requires ribosome stalling at a specific site in the leader. *Proceedings of the National Academy of Sciences USA*, 85, 1988, 3057-3061 ISSN 1091-6490
4. Dimov, V., Ivanovska, N., Manolova, V., Bankova, N., Nikolov, S. Popov. Immunomodulatory action of propolis. Influence on antiinfectious protection and macrophage function. *Apidologie*, 22, 1991, 155-162. ISSN 0044-8435
5. Dimov, V., Ivanovska, N., Bankova, V., Popov, S. Immunomodulatory action of propolis: IV. Prophylactic activity against Gram-negative infections and adjuvant effect of the water-soluble derivative. *Vaccine*, 12, 1992, 817-823. ISSN 0264-410X
6. Ivancheva, S., Manolova, N., Serkedjieva, J., Dimov, V., Ivanovska, N. Polyphenols from Bulgarian medicinal plants with anti-infectious activity. *Basic Life Sciences*, 59, 1992, 717-728. ISSN 0024-3205
7. Serdyuk, I., Baranov, V., Tsalkova, T., Gulyamova, D., Pavlov, M., Spirin, A., May, R. Structural dynamics of translating ribosomes. *Biochimie*, 74 (4), 1992, 299-306, ISSN 0300-9084
8. Tonkova, A., Manolov, R., Dobreva, E. Thermostable α-Amylase from derepressed bacillus licheniformis produced in high yields from glucose. *Process Biochemistry,* 28, 1993, 539-542, ISSN 1359-5113
9. Manolov, R., Kambourova, M., Emanuilova, E. Immobilization and Properties of *Bacillus stearothermophilus* Pullulanase. *Biotechnology and Applied Biochemistry*, 18, 1993, 409-415, ISSN 0885-4513.
10. Lyutzkanova, D., Nikolova, B., Stoilova-Disheva, M., Todorov, T. Protoplast formation and regeneration in Streptomyces flavopersicus. *Letters in Applied Microbiology,* 16(4), 1993, 217-219, ISSN 1472-765X
11. Ivanova, V., Rouseva, R., Kolarova, M., Serkedjieva, J., Rachev, R., Manolova, N. Isolation of a polysaccharide with antiviral effect from *Ulva lactuca*. *Preparative Biochemistry and Biotechnology*, 24(2), 1994, 83-97, ISSN 0032-7484
12. Tonkova, A., Ivanova, V., Dobreva, E., Stefanova, M., Spasova, D. Thermostable α-amylase production by immobilized *Bacillus licheniformis* cells in agar gel and on acrylonitrile/acrylamide membranes. *Applied Microbiology and Biotechnology,* 41, 1994, 517-522, ISSN 0175-7598
13. Frengova, G., Simova, E., Pavlova, K., Beshkova, D., Grigorova, D. Formation of carotenoids by *Rhodotorula glutinis* in whey ultrafiltrate. *Biotechnology and Bioengineering*, 44, 1994, 888-894, ISSN: 0006-3592

14. Najdenski, H., Iteman, I., Carniel, E. Efficient subtyping of pathogenic *Yersinia enterocolitica* strains by pulsed-field gel electrophoresis. *Journal of Clinical Microbiology*, 12, 32, 1994, 2913-2920, ISSN: 0095-1137.

15. Ivanovska, N., Dimov, V., Pavlova, S., Bankova, V., Popov, S. Immunomodulatory action of propolis. V. Anticomplementary activity of a water-soluble derivative. *Journal of Ethnopharmacology*, 47, 1995, 135-143. ISSN 0378-8741

16. Ivanovska, N., Dimov, V., Bankova, V., Popov, S. Immunomodulatory action of propolis: VI. Influence of the water-soluble derivative on complement activity in vivo. *Journal of Ethnopharmacology,* 47, 1995, 145-147. ISSN 0378-8741

17. Manolov, R., Kambourova, M., Emanuilova, E. Immobilization of *Bacillus stearothermophilus* Cells by Entrapment in Various Matrices. *Process Biochemistry* 30, 1995, 141-145, ISSN 1359-5113.

18. Frengova, G., Simova, E., Beshkova, D. Effect of temperature changes on the production of yeast pigments co-cultivated with lacto-acid bacteria in whey ultrafitrate. *Biotechnology Letters,* 17, 1995, 1001-1006, ISSN: 0141-5492

19. Simeonov, I. Modelling and control of anaerobic digestion of organic waste. *Chemical and Biochemical Engineering Quaterly,* 8(2), 1994, 45-52, ISSN 1846-5153.

20. Abdel Sattar, A., Bankova, V., Kujumgiev, A., Galabov, A., Ignatova, A., Todorova, C., Popov, S.S. Chemical composition and biological activity of leaf exudates from some Lamiaceae plants. *Pharmazie*, 50(1), 1995, 62-65, ISSN: 0031-7144

21. Stoyanov, S., Simeonov, I. Robust compensator control of continuous fermentation processes. *Bioprocess Engineering*, 15 (6), 1996, 295-300, ISSN 0178-515X.

22. Ivanovska N., Philipov S. Study on the anti-inflammatory action of Berberis vulgaris root extract, alkaloid fractions and pure alkaloids. *International Journal of Immunopharmacology*, 18, 1996, 553-561. ISSN 0192-0561

23. Simeonov, I., Momchev, V., Grancharov, D. Dynamic modeling of mesophillic anaerobic digestion of organic waste. *Water Research*, 5(30), 1996, 1087-1094, ISSN 0043-1354.

24. Dobreva, E., Ivanova, V., Tonkova, A., Radulova, E. Influence of the immobilization conditions on the efficiency of α-amylase production by *Bacillus licheniformis*. *Process Biochemistry,* 31, 1996, 229-234, ISSN 1359-5113

25. Kovatcheva, E., Pavlov, A., Koleva, I., Ilieva, M., Mihneva, M. Rosmarinic acid from *Lavandula vera* MM cell culture, *Phytochemistry*, 43(6), 1996, 1243-1244, ISSN: 0031-9422.

26. Angelova, B., Mutafov, S., Avramova, T., Dimova, I., Boyadjieva, L. 9α-Hydroxylation of 4-androstene-3,17-dione by resting *Rhodococcus* sp. Cells. *Process Biochemistry*, 31, 1996, 179-184, ISSN 1359-5113

27. Galabova, D., Tuleva, B., Spasova, D. Permeabilization of Yarrowia lipolytica cells by triton X-100. *Enzyme and Microbial Technology,* 18, 1996, 18-22, ISSN: 0141-0229

28. Veljanov, D., Vesselinova, A., Nikolova, S., Najdenski, H., Kussovski, V., Markova, N. Experimental melioidosis in inbred mouse strains. *Zentralblatt fur Bakteriologie*, 3, 283, 1996, 351-359, ISSN: 0934-8840.

29. Pashov, A., Bellon, B., Kaveri, S.V., Kazatchkine, M.D. A shift in encephalitogenic T cell cytokine pattern is associated with suppression of EAE by intravenous immunoglobulins (IVIg). *Multiple Sclerosis*, 3, 1997, 153-156. ISSN 1352-4585

30. Kaveri S., Prasad N., Vassilev T., Hurez V., Pashov A., Lacroix-Desmazes S., Kazatchkine M. Modulation of autoimmune responses by intravenous immunoglobulin (IVIg). *Multiple Sclerosis,* 3, 1997, 121-128. ISSN 1352-4585

31. Hurez, V., Kazatchkine, M.D., Vassilev, T., Ramanathan, S., Pashov, A., Basuyaux, B., de Kozak, Y., Bellon, B., Kaveri, S.V. Pooled normal human polyspecific IgM contains neutralizing anti-idiotypes to IgG autoantibodies of autoimmune patients and protects from experimental autoimmune disease. *Blood,* 9, 1997, 4004-4013. ISSN 0006-4971

32. Georgieva, P., Ivanovska, N., Bankova, V., Popov, S. Anticomplement activity of lysine complexes of propolis phenolic constituents and their synthetic analogs. *Zeitschrift für Naturforschung*, 52c, 1997, 60-64. ISSN 0939-5075

33. Stoitsova, S., Georgiev, B., Dacheva, R., Vinarova, M., 1997. Scolex glands associated with the rostella in three species of the family Dilepididae (Cestoda: Cyclophyllidea). *Acta Zoologica* (Stockholm), 78, 187-191, ISSN 1463-6395.

34. Mutafov, S., Angelova, B., Avramova, T., Boyadjieva, L., Dimova, I. On the inducibility of the 9α-steroid hydroxylating activity in resting *Rhodococcus* sp. cells. *Process Biochemistry*, 32, 1997, 585-589, ISSN 1359-5113

35. Lyutzkanova, D., Distler, J., Altenbuchner, J. A spectinomycin resistance determinant from the spectinomycin producer *S. flavopersicus*. *Microbiology UK,* 143(7), 1997, 2135-2143, ISSN 1350-0872

36. Frengova, G., Simova, E., Beshkova, D. Caroteno-protein and exopolysaccharide production by co-cultures of *Rhodotorula glutinis* and *Lactobacillus helveticus*. *Journal of Industrial Microbiology and Biotechnology* 1997, 18, 4, 272-277, ISSN: 1367-5435

37. Ilieva, M., Pavlov, A. Rosmarinic acid production by *Lavandula vera* MM suspension culture, *Applied Microbiology and Bioitechnology*, 47, 1997, 683-688, ISSN: 0175-7598.

38. Angelova, M., Petricheva, E. Glucose and nitrogen dependence acid proteinase production in semicontinuous culture with immobilized cells of *Humicola lutea* 120–5. *Journal of Biotechnology,* 58(1), 1997, 51–58, ISSN: 0168-1656

39. Bankova, M., Manolova, N., Markova, N., Radoucheva, T., Dilova, K., Rashkov, I. Hydrolysis and antibacterial activity of polymer containing 8-quinolinyl acrylate. *Journal of Bioactive Compatible Polymers*, 12, 1997**,** 294-307, ISSN: 1530-8030.

40. Pashov, A., Dubey, C., Kaveri, S.V., Lectard, B., Huang, Y.M., Kazatchkine, M.D., Bellon, B. Normal immunoglobulin G protects against experimental allergic encephalomyelitis by inducing transferable T cell unresponsiveness to myelin basic protein. *European Journal of Immunology,* 28, 1998, 1823-1831. ISSN 0014-2980

41. Angelova, M., Scheremetska, P., Lekov, M.. Enhanced polymethyl-galacturonase production from *Aspergillus niger* 26 by calium alginate immobilization. *Process Biochemistry*, 33, 1998, 299-305, ISSN: 1359-5113

42. Slokoska, L.S., Angelova, M.B. Immobilization of polymethyl-galacturonase producing *Aspergillus niger* on *Luffa* sponge material. *Zeitschrift für Naturforschung C,* 53, 1998, 968-972, ISSN: 0939-5075

43. Ivanova, I., Miteva, V., Stefanova, T., Pantev, A., Budakov, I., Danova, S., Moncheva, P., Nikolova, I., Dousset, X., Boyaval, P. Characterization of a bacteriocin produced by Streptococcus thermophilus 81. *International Journal of Food Microbiology,* 42, 1998, 147-158. ISSN 0168-1605.

44. Dobreva, E., Ivanova, V., Stefanova, M., Tonkova, A., Kabaivanova, L., Spassova, D. Thermostable α-amylase production by *Bacillus licheniformis* cells immobilized on polyacrylates with cyclic carbonate groups in the side chain. *Microbiological Research,* 153(2), 1998, 157-162, ISSN 0944-5013

45. Ivanova, V., Schlegel, R., Dornberger, K. N'-Methylniphimycin, a novel minor congener of niphimycin from *Streptomyces* spec. 57-13. *Journal of Basic Microbiology,* 38(5-6), 1998, 415-419, ISSN 1521-4028

46. Tonkova, A. Bacterial cyclodextrin glucanotransferase. *Enzyme and Microbial Technology,* 22, 1998, 678-686, ISSN 0141-0229

47. Dobreva, E., Tonkova, A., Ivanova, V., Stefanova, M., Kabaivanova, L., Spasova, D. Immobilization of *Bacillus licheniformis* cells, producers of thermostable α-amylase, on polymer membranes. *Journal of Industrial Microbiology and Biotechnology,* 20, 1998, 166-170, ISSN 1367-5435

48. Frengova, G., Simova, E., Beshkova, D. Caroteno-protein and exopolysaccharide production by co-cultures of *Rhodotorula glutinis* and *Lactobacillus helveticus*. *Journal of Industrial Microbiology and Biotechnology,* 1997, 18, 4, 272-277, ISSN: 1367-5435

49. Ilieva, M., Pavlov, A. Rosmarinic acid production by *Lavandula vera* MM suspension culture, *Applied Microbiology and Bioitechnology*, 47, 1997, 683-688, ISSN: 0175-7598.

50. Beshkova, D., Simova, E., Frengova, G., Simov, Z. Production of flavour compounds by yogurt starter cultures. *Journal of Industrial Microbiology and Biotechnology, 20,* 1998, 180-186, ISSN: 1367-5435

51. Tuleva, B., Vasileva-Tonkova, E., Galabova, D. A specific alkaline phosphatase from *Saccharomyces cerevisiae* with protein phosphatase activity. *FEMS Microbiology Letters,* 161, 1998, 139-144, ISSN 1574-6968

52. Miteva, V., Ivanova, I., Budakov, I., Pantev, A., Stefanova, T., Danova, S., Moncheva, P., Boyaval, P. Detection and characterization of a novel antibacterial substance produced by a *Lactobacillus delbrueckii* strain 1043. *Journal of Applied Microbiology*, 85, 1998, 603-614 ISSN: 1365-2672

53. Ivanova, I., Miteva, V., Stefanova, T., Pantev, A., Budakov, I., Danova, S., Moncheva, P., Boyaval, P. Characterization of a bacteriocin produced by *Streptococcus thermophilus* 81. *International Journal of Food Microbiology*, 42, 1998, 147-158 ISSN 0168-1605

54. Ivanovska, N., Philipov, S., Hristova, M. Influence of berberine on T-cell mediated immunity. *Immunopharmacology and Immunotoxicology*, 21, 1999, 771-786. ISSN 0892-3973

55. Lacroix-Desmazes, S., Moreau, A., Sooryanarayana, Bonnemain, C., Stieltjes, N., Pashov, A., Sultan, Y., Hoebeke, J., Kazatchkine, M.D., Kaveri, S.V. Catalytic activity of antibodies against factor VIII in patients with hemophilia A. *Nature Medicine,* 5, 1999, 1044-1047. ISSN 1078-8956

56. Angelova, B., Schmauder, H.-P. Lipophilic compounds in biotechnology - Interactions with cells and technological problems. *Journal of Biotechnology,* 67, 1999, 13-32, ISSN 0168-1656

57. Alexandrov, M., Alexandrova, R., Alexandrov, I., Zacharieva, S., Lasarova, S., Doumanova, L., Peshev, R., Donev, T. Fluorescent and electron-microscopy immunoassays employing polyclonal and monoclonal antibodies for detection of goose parvovirus infection. *Journal of Virological Methods*, 79, 1999, 21-32, ISSN: 0166-0934

58. Simeonov, I. Mathematical modeling and parameters estimation of anaerobic fermentation process. *Bioprocess Engineering,* 21(4), 1999, 377-381, ISSN 0178-515X.

59. Ignatova, Z., Gousterova, A., Spassov, G., Nedkov, P. Isolation and partial characterisation of extracellular keratinase from a wool degrading thermophilic actinomycete strain *Thermoactinomyces candidus*. *Canadian Journal of Microbiology,* 45(3), 1999, 217-222. ISSN 1480-3275

60. Pavlov, A., Ilieva, M. The influence of phenylalanine on accumulation of rosmarinic and caffeic acids by *Lavandula vera* MM cell culture. *World Journal of Microbiology and Biotechnology*, 15(3), 1999, 397-399, ISSN: 0959-3993.

61. Ilieva, M., Pavlov, A. Rosmarinic acid production by *Lavandula vera* MM cell suspension culture: nitrogen effect. *World Journal of Microbiology and Biotechnology*. 15(6), 1999, 711-714, ISSN: 0959-3993.

62. Pashova, S., Slokoska, L., Krumova, E., Angelova, M.. Induction of polymethylgalacturonase biosynthesis by immobilized cells of *Aspergillus niger* 26. *Enzyme and Microbial Technology*, 24, 1999, 535-540, ISSN: 0141-0229

63. Pashova, S., Slokoska, L., Sheremetska, P., Krumova, E., Vassileva, L., Angelova, M. Physiological aspects of immobilized *Aspergillus niger* cells producing polymethylgalacturonase. *Process Biochemistry*, 35, 1999, 15-19, ISSN: 1359-5113

64. Dolashka-Angelova, P., Angelova, M., Genova, L., Stoeva, S., Voelter, W. (1999) A novel Cu,Zn superoxide dismutase from the fungal strain *Humicola lutea* 110: isolation and physico-chemical characterization. *Spectrochimica Acta* A, 55, 2249-2260, ISSN 1386-1425.

65. Marinova, E.K., Nikolova, D.B., Popova, D.N., Gallacher, G.B., Ivanovska, N.D. Suppression of experimental autoimmune tubulonephritis in BALB/c mice by berberine. *Immunopharmacology*, 48, 2000, 9-16. ISSN 8755-6863

66. Mileva, M., Tancheva, L., Bakalova, R., Galabov, A., Savov, V., Ribarov, St. Effect of vitamin E on lipid peroxidation and liver monooxigenase activity in experimental influenza virus infection, *Toxicology Letters*, 1-3, 2000, 39-45, ISSN 0378-4274.

67. Mileva, M., Zlateva, G., Karabasheva, S., Hadjimitova, V., Antonov, I. Effect of He-Ne laser treatment on the level of lipid peroxidation products in experimental cataract of rabbit eyes. *Methods and Findings in Experimental and Clinical Pharmacology,* 22, 2000, 679-681. ISSN 0379-0355.

68. Michailova, L., Stoitsova,S., Markova, N., Kussovsky, V., Jordanova, M., Dimova, I. Cell interactions of alveolar macrophages with *Staphylococcus aureus* and induction of microbial L-forms during infection in rats. *International Journal of Medical Microbiology,* 290, 2000, 259-267, ISSN 1438-4221.

69. Serkedjieva, J., Danova, S., Ivanova, I. Antiinfluenza virus activity of a bacteriocin produced *by Lactobacillus delbrueckii*. *Applied Biochemistry and Biotechnology - Part A Enzyme Engineering and Biotechnology*, 88, 2000, 285-298 ISSN: 0273-2289

70. Pavlov, A., Ilieva, M., Panchev, I. Nutrient medium optimization for rosmarinic acid production by *Lavandula vera* MM cell suspension. *Biotechnology Progress*, 16(4), 2000, 668-670, ISSN: 1520-6033.

71. Ivanova, V., Gesheva, V., Kolarova, M. Dihydroniphimycin: New polyol macrolide antibiotic produced by *Streptomyces hygroscopicus* 15. Isolation and structure elucidation. *Journal of Antibiotics,* 53(6), 2000, 627-632, ISSN 0021-8820

72. Angelova, M., Pashova, S., Slokoska, L. Comparison of antioxidant enzyme biosynthesis by free and immobilized *Aspergillus niger cells*. *Enzyme and Microbial Technology*, 26, 2000, 544-549, ISSN: 0141-0229.

73. Angelova, M., Dolashka-Angelova, P., Ivanova, E., Serkedjieva, J., Slokoska, L., Pashova, S., Toshkova, R., Vassilev, S., Simeonov, I., Hartmann, HJ. Stoeva, S. Weser, U., Voelter, W. A novel glycosylated Cu/Zn-containing superoxide dismutase: production and potential therapeutic effect. *Microbiology* (UK), 147, 2001, 1641-1650, ISSN:1350-0872

74. Ivanova, V., Oriol, M., Montes, M.-J., Garcia, A., Guinea, J. Secondary metabolites from a *Streptomyces* strain isolated from Livingston Island, Antarctica. *Zeitschrift für Naturforschung,* 56c(1-2), 2001, 1-5, ISSN 0932-0776

75. Ivanova, V., Yankov, D., Kabaivanova, L., Pashkoulov, D. Simultaneous biosynthesis and purification of two extracellular *Bacillus* hydrolases in aqueous two α-amylase. *Biochemical Engineering Journal,* 8, 2001, 61-81, ISSN 1369-703X

76. Tsekova, K., Ilieva, S. Copper removal from aqueous solution using *Aspergillus niger* mycelia in free and polyurethane-bound form. *Applied Microbiology and Biotechnology,* 55, 2001, 636-637, ISSN 1432-0614

77. Kambourova, M., Tangney, M., Priest, F.G. Regulation of polyglutamic acid synthesis by glutamate *in Bacillus licheniformis* and *Bacillus subtilis. Applied and Environmental Microbiology,* 67, 2001, 1004-1007, ISSN 0099-2240.

78. Zlatanov M., Pavlova K., Grigorova D. Lipid composition of some yeast strains from Livingston Island, Antarctica, *Folia Microbiologica*, 5, 2001, 402-406

79. Pavlov, A., Ilieva, M., Mincheva, M. Release of rosmarinic acid by *Lavandula vera* MM cell suspension in two-phase culture systems. *World Journal of Microbiology and Biotechnology*. 17, 2001, 417-421, ISSN: 0959-3993.

80. Lyutzkanova, D., Stoilova-Disheva, M., Peltekova, V. The restriction-modification system in *Streptomyces flavopersicus*. *Folia Microbiologica*, 46(2), 2001, 119-122, ISSN 0015-5632

81. Popova, M., Bankova, V., Spassov, S., Tsvetkova, I., Naydenski, C., Silva, MV., Tsartsarova, M. New bioactive chalcones in propolis from El Salvador. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*, 7-8, 56, 2001, 593-596, ISSN: 0939-5075.

82. Nikolova, S., Tzvetkov, Y., Najdenski, H., Vesselinova, A. Isolation of pathogenic yersiniae from wild animals in Bulgaria. *Journal of Veterinary Medicine*, 3, 48, 2001, 203-209, ISSN: 0931-1793.

83. Czeglédi, A., Herczeg, J., Hadjiev, G., Doumanova, L., Wehmann, E., Lomniczi, B. The occurence of five major Newcastle disease virus genotypes (II, IV, V, VI and VIIb) in Bulgaria between 1959 and 1996. *Epidemiology and Infection*, 129 (3), 2002, 679-688, ISSN. 0950-2688.

84. Dimitrova, P., Skapenko, A., Herrmann, M.L., Schleyerbach, R., Kalden J.R., Schulze-Koops, H. Restriction of de novo pyrimidine biosynthesis inhibits Th1 cell activation and promotes Th2 cell differentiation. *Journal of Immunology*, 169, 2002, 169, 3392-3399. ISSN 0022-1767.

85. Lacroix-Desmazes, S., Bayry, J., Misra, N., Horn, M.P., Villard, S., Pashov, A., Stieltjes, N., d'Oiron, R., Saint-Remy, J.-M., Hoebeke, J., Kazatchkine, M.D., Reinbolt, J., Mohanty, D., Kaveri, S.V. The prevalence of proteolytic antibodies against factor VIII in hemophilia A. *New England Journal of Medicine,* 346, 2002, 662-667. ISSN 0028-4793

86. Pashov, A., Kenderov, A., Kyurkchiev, S., Kehayov, I., Hristova, S., Lacroix-Desmazes, S., Giltiay, N., Sooryanarayana, Kazatchkin,e M.D., Kaveri, S.V. Autoantibodies to heat shock protein 90 (HSP90) in the human natural antibody repertoire. *International Immunology,* 14, 2002, 453-461, ISSN 0953-8178

87. Kamenarska, Z., Dimitrova-Konaklieva, S., Stefanov, K., Najdenski, H., Tzvetkova, I., Popov, S. Comparative study of the volatile compounds from some Black Sea brown algae. *Botanica Marina*, 6, 45, 2002, 502-509, ISSN: 0006-8055.

88. Taskova, R., Mitova, M., Najdenski, H., Tzvetkova, I., Duddeck, H. Antimicrobial activity and cytotoxicity of *Carthamus lanatus*. *Fitoterapia*, 73(6), 2002, 540-543, ISSN: 0367-326X.

89. Kamenarska, Z., Gasic, MJ., Zlatovic, M., Rasovic, A., Sladic, D., Kljajic, Z., Stefanov, K., Seizova, K., Najdenski, H., Kujumgiev, A., Tsvetkova, I., Popov, S. Chemical composition of the brown alga *Padina pavonia (L.) Gaill.* from the Adriatic sea. *Botanica Marina*, 4, 45, 2002, 339-345, ISSN: 0006-8055.

90. Uzunova, K., Vassileva, A., Ivanova, V., Spasova, D., Tonkova, A. Thermostable exo-inulinase production by semicontinuous cultivation of membrane-immobilized *Bacillus* sp. 11 cells. *Process Biochemistry* 37, 2002, 863-868, ISSN 1359-5113

91. Beshkova, D., Simova, E., Simov, Z., Frengova, G., Spasov, Z. Pure cultures for making kefir. *Food Microbiology* 19, 2002, 537-544, ISSN: 0740-0020

92. Beshkova, D., Simova, E., Frengova, G., Simov, Z.I. Spasov, Z. Effect of oxygen on batch yogurt cultures. *Word Journal of Microbiology and Biotechnology* 18, 2002, 361-365, ISSN: 0959-3993

93. Simova, E., Beshkova, D., Angelov, A., Hristozova, T., Frengova, G., Spasov, Z. Lactic acid bacteria and yeasts in kefir grains and kefir made from them. *Journal of Industrial Microbiology and Biotechnology*, 28, 2002, 1-6, ISSN: 1367-5435

94. Frengova, G.I., Simova, E.D., Beshkova, D.M., Simov, Z.I. Exopolysaccharides produced by lactic acid bacteria of kefir grains. *Zeitschrift für Naturforschung C* 57, 2002, 805-810, ISSN: 0341-0382

95. Pavlov, A., Kovatcheva, P., Georgiev, V., Koleva, I., Ilieva, M. Biosynthesis and radical scavenging activity of betalains during the cultivation of red beet (*Beta vulgaris*) hairy root cultures, *Zeitschrift fuer Naturforschung C*, 57, 2002, 640-644, ISSN 0939-5075.

96. Tuleva, B., Ivanov, G., Christova, N. Biosurfactant production by a new *Pseudomonas putida* strain. *Zeitschrift fur Naturforschung C*, 57, 2002, 356-360, ISSN: 0939-5075.

97. Lahtchev, K.L., Semenova, V.D., Tolstorukov, I.I., van der Klei, I., Veenhuis, M., Isolation and properties of genetically defined strains of the methylotrophic yeast Hansenula polymorpha CBS4732. *Archives of Microbiology*, 177(2), 2002, 150-158 ISSN 0302-8933

98. Aleksieva, Z., Ivanova, D., Godjevargova, T., Atanasov, B. Degradation of some phenol derivatives by *Trichosporon cutaneum* R57. *Process Biochem*istry, 37, 2002, 1215-1219, ISSN 1359-5113

99. Tsekova, K., Petrov, G. Removal of heavy metals from aqueous solution using *Rhizopus delemar* mycelia in free and polyurethane-bound form. *Zeitschrift fur Naturforschung,* 57c, 2002, 629-633, ISSN 0939-5075

100. Markova, N., Kussovski, V., Radoucheva, T., Dilova, K., Georgieva, N. Effects of intraperitoneal and intranasal application of Lentinan on cellular response in rats. *International Immunopharmacology*, 2, 2002, 1641-1645, ISSN:1567-576.

101. Mileva, M., Bakalova, R., Tancheva, L., Galabov, A., Ribarov, S. Effect of vitamin E supplementation on lipid peroxidation in blood and lung of influenza virus infected mice. *Comparative Immunology, Microbiology and Infectious Diseases*, 25(1), 2002, 1-11, ISSN: 0147-9571,

102. Ivanovska, N. Phospholipases as a factor of pathogenicity in microorganisms. *Journal of Molecular Catalysis B: Enzymatic*, 22, 2003, 357-361. ISSN 1381-1177

103. Bayry, J., Lacroix-Desmazes, S., Pashov, A., Stahl, D., Hoebeke, J., Kazatchkine, M.D., Kaveri, S.V. Autoantibodies to factor VIII with catalytic activity. *Autoimmunity Reviews,* 2, 2003, 30-35, ISSN 1568-9972

104. Bayry, J., Lacroix-Desmazes, S., Carbonneil, C., Misra, N., Donkova, V., Pashov, A., Chevailler, A., Mouthon, L., Weill, B., Bruneval, P., Kazatchkine, M.D., Kaveri, S.V. Inhibition of maturation and function of dendritic cells by intravenous immunoglobulin. *Blood,* 101, 2003, 758-765. ISSN 0006-4971

105. Markova N., Kussovski V., Drandarska I., Nikolaeva S., Georgieva N., Radoucheva T. Protective activity of Lentinan in experimental tuberculosis *International Immunopharmacology*, 3, 2003, 10-11, 1557-1562, ISSN:1567-576.

106. Karakashev, D., Galabova, D., Simeonov, I. A simple and rapid test for differentiation of aerobic from anaerobic bacteria. *World Journal of Microbiology and Biotechnology*, 19, 2003, 233-238, ISSN 0959-3993.

107. Simeonov, I., Stoyanov, S. Modelling and dynamic compensator control of the anaerobic digestion of organic wastes. *Chemical and Biochemical Engineering Quarterly*, 17(4), 2003, 285-292, ISSN 0352-9568.

108. Gousterova, A., Nustorova, M., Goshev, I., Christov, P., Braikova, D., Tishinov, K., Haertle, T., Nedkov, P. Alkaline hydrolysate of waste sheep wool aimed as fertilizer. *Biotechnology & Biotechnological Equipment,* 17(2), 2003, 140-145, ISSN 1310-2818

109. Beshkova, D., Simova, E., Frengova, G., Simov, Z., Dimitrov, Zh. Production of volatile aroma compounds by kefir starter cultures. *International Dairy Journal,* 13, 2003, 529-535, ISSN: 0958-6946

110. Simova, E.D., Frengova, G.I., Beshkova, D.M. Effect of aeration on the production of carotenoid pigments by *Rhodotorula rubra-Lactobacillus casei* subsp.*casei* co-cultures in whey ultrafiltrate. *Zeitschrift für Naturforschung,* 58c, 2003, 225-229, ISSN: 0341-0382

111. Frengova, G., Simova, E., Beshkova, D. Carotenoid production by lactoso-negative yeasts co-cultivated with lactic acid bacteria in whey ultrafiltrate. *Zeitschrift für Naturforschung,* 58c, 2003, 562-567, ISSN: 0341-0382

112. Berkov, S., Pavlov, A., Kovatcheva, P., Stanimirova, P., Philipov, S. Alkaloid spectrum in diploid and tetraploid hairy root cultures of *Datura stramonium*. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*. 58(1-2), 2003, 42-46, ISSN 0939-5075.

113. Pavlov, A., Georgiev, V., Kovatcheva, P. Relationship between type and age of the inoculum cultures and betalains biosynthesis by *Beta vulgaris* hairy root culture. *Biotechnology Letters*, 25(4), 2003, 307-309, ISSN: 0141-5492.

114. Stoitsova, S., Boteva, R., Doyle, R.J. Binding of hydrophobic ligands by *Pseudomonas aeruginosa* PA-I lectin. *Biochimica et Biophysica Acta*, 1619, 2003, 213-219, ISSN 0006-2960.

115. Fernandes, P., Cruz, A., Angelova, B., Pinheiro, H.M., Cabral, J.M.S. Microbial conversion of steroid compounds: Recent developments. *Enzyme and Microbial Technology,* 32, 2003, 688-705, ISSN: 0141-0229

116. Vasileva-Tonkova, E., Galabova, D. Hydrolytic Enzymes and Surfactants of Bacterial Isolates from Lubricant-Contaminated Wastewater. *Zeitschrift fur Naturforschung C, 58*, 2003, 87-92, ISSN 0939-5075

117. Godjevargova, T., Ivanova, D., Alexieva, Z., Dimova, N. Biodegradation of toxic organic components from industrial phenol production waste waters by free and immobilized *Trichosporon cutaneum* R57. *Process Biochem*istry, 38, 2003, 915-920 ISSN 1359-5113

118. Kambourova, M., Kirilova, N., Mandeva, R., Derekova, A. Purification and properties of thermostable lipase from a thermophilic *Bacillus stearothermophilus* MC 7. *Journal of Molecular Catalysis B,* 22, 2003, 307-313, ISSN 1381-1177.

119. Vassileva, A., Burhan, N., Beschkov, V., Spasova, D., Radoevska, S., Ivanova, V., Tonkova, A. Cyclodextrin glucanotransferase production by free and agar gel immobilized cells of *Bacillus circulans* ATCC 21783. *Process Biochemistry* 38, 2003, 1585-1591, ISSN 1359-5113

120. Tantcheva, L., Stoeva, E., Galabov, A.S., Braykova, A., Savov, V, Mileva, M. Effect of vitamin E and vitamin C combination on experimental influenza virus infection. *Methods and Findings in Experimental and Clinical Pharmacology,* 25, 2003, 259-264. ISSN 0379-0355.

121. Kamenarska, Z., Stefanov, K., Dimitrova-Konaklieva, S., Najdenski, H., Tsvetkova, I., Popov, S. Chemical composition and biological activity of the brackish-water green alga *Cladophora rivularis (L.) Hoek*. *Botanica Marina*, 3(47), 2004, 215-221, ISSN: 0006-8055.

122. Trusheva, B., Popova, M., Naydenski, H., Tsvetkova, I., Rodriguez, J.G., Bankova, V. New polyisoprenylated benzophenones from Venezuelan propolis. *Fitoterapia*, 7-8, 75, 2004, 683-689, ISSN: 0367-326X 2.231.

123. Bengoechea, J.A., Najdenski, H., Skurnik, M. Lipopolysaccharide O antigen status of *Yersinia enterocolitica* O:8 is essential for virulence and absence of O antigen affects the expression of other *Yersinia* virulence factors. *Molecular Microbiology*, 2, 52, 2004, 451-469, ISSN: 0950-382X.

124. Ignatova, M., Voccia, S. ,Gilbert, B., Markova, N. *et al*. Synthesis of copolymer brushes endowed with adhesion to stainless steel surfaces and antibacterial properties by controlled nitroxide-mediated radical polymerization. *Langmuir*, 20, 2004, 10718-10726. ISSN**:**0743-7463

125. Simeonov, I., Chorukova, E. Neural networks modelling of two biotechnological processes. *2004 2nd International IEEE Conference 'Intelligent Systems' - Proceedings*, 2004, 331-336, ISBN 078-038278-1.

126. Tsiroulnikov, K., Rezai, H., Bonch-Osmolovskaya, E., Nedkov, P., Gousterova, A., Cueff, V., Godfroy, A., (...), Haertle, T. Hydrolysis of the amyloid prion protein and nonpathogenic meat and bone meal by anaerobic thermophilic prokaryotes and *Streptomyces* subspecies. *Journal of Agriculture and Food Chemistry,* 52(20), 2004, 6353-6360, ISSN 1520-5118

127. Groudieva, T., Kambourova, M., Yusef, H., Royter, M., Grote, R., Trinks, H., Antranikian, G. Diversity and cold-active hydrolytic enzymes of culturable bacteria associated with Arctic sea ice, Spitzbergen. *Extremophiles,* 8, 2004, 475-488, ISSN 1431-0651

128. Pavlova, K., Koleva, L., Kratchanova, M., Panchev, I. Production and charactereization of an exopolysaccharide by yeast. *World Journal of Microbiology and Biotechnology*, 20, 2004, 435-440, ISSN: 0959-3993

129. Simova, E., Frengova, G., Beshkova, D. Synthesis of carotenoids by *Rhodotorula rubra GED8* co-cultured with yogurt starter cultures in whey ultrafiltrate. *Journal of Industrial Microbilogy and Biotechnology* 31, 2004, 115-121, ISSN: 1367-5435.

130. Frengova, G., Simova, E., Beshkova, D. Improvement of carotenoid-synthesizing yeast by chemical mutagens. *Zeitschrift für Naturforschung* 59c, 2004, 99-103, ISSN: 0341-0382

131. Georgiev, M., Pavlov, A., Ilieva, M. Rosmarinic acid production by *Lavandula vera* MM cell suspension: Temperature effect. *Biotechnology Letters*, 26(10), 2004, 855-856. ISSN: 0141-5492.

132. Berkov, S., Pavlov, A. A rapid densitometric method for the analysis of hyoscyamine and scopolamine in solanaceous plants and their transformed root cultures. *Phytochemical Analysis* 15(3), 2004, 141-145, ISSN: 1099-1565

133. Stoitsova, S., Ivanova, R., Dimova. I. Lectin-binding epitopes at the surface of *Escherichia coli* K-12: examination by electron microscopy, with special reference to the presence of a colanic acid-like polymer. *Journal of Basic Microbiology.* 44, 2004, 296-304. ISSN 1521-4028.

134. Bogoeva, V., Radeva, M., Atanasova, L., Stoitsova, S., Boteva, R. Fluorescence analysis of hormone binding activities of wheat germ agglutinin, *Biochimica et Biophysica Acta,*

1698, 2004, 213-218, ISSN 0006-2960.

135. Vasileva-Tonkova, E., Gesheva, V. Potential for biodegradation of hydrocarbons by microorganisms isolated from Antarctic soils. *Zeitschrift fur Naturforschung* C, 59, 2004, 140-145, ISSN 0939-5075

136. Christova, N., Tuleva, B., Lalchev, Z., Jordanova, A., Jordanov, B. Rhamnolipid Biosurfactants Produced by *Renibacterium salmoninarum* 27BN during Growth on n-Hexadecane. *Zeitschrift fur Naturforschung C*, 59, 2004, 70-74, ISSN 0939-5075

137. Christova, N., Tuleva, B., Nikolova-Damyanova, B. Enhanced hydrocarbon biodegradation by a newly isolated *Bacillus subtilis* strain. *Zeitschrift fur Naturforschung C,* 59, 2004, 205-208, ISSN: 0939-5075.

138. Angelova, B., Fernandes, P., Cruz, A., Pinheiro, H.M., Mutafov, S., Cabral, J.M.S. Hydroxylation of androstenedione by resting *Rhodococcus* sp. cells in organic media. *Enzyme and Microbial Technology*, 37, 2005, 718-722, ISSN 0141-0229

139. Alexieva, Z., Gerginova, M., Zlateva, P., Peneva, N. Comparison of growth kinetics and phenol metabolizing enzymes of *Trichosporon cutaneum* R57 and mutants with modified degradation abilities. *Enzyme and Microbial Technology* 34, 2004, 242-247 ISSN 0141-0229

140. Mileva, M., Bakalova, R., Zlateva, G. Low-intensity laser irradiation does not affect the oxidative stress in experimental cataract. *Medical Laser Application*, 19, 2004, 150-154. ISSN 1615-1615.

141. Djoumerska, I.., Tchorbanov, A., Pashov, A., Vassilev, T. The autoreactivity of therapeutic intravenous immunoglobulin (IVIg) preparations depends on the fractionation methods used. *Scandinavian Journal of Immunology*, 61, 2005, 357–363. ISSN 1365-3083

142. Wen, Y.J., Mancino, A., Pashov, A., Whitehead, T., Stanley, J., Kieber-Emmons, T. Antigen binding of human IgG Fabs mediate ERK-associated proliferation of human breast cancer cells. *DNA Cell Biology,* 24, 2005, 73, ISSN 1044-5498

143. Ivanova, A., Mikhova, B., Najdenski, H., Tsvetkova, I., Kostova, I. Antimicrobial and cytotoxic activity of *Ruta graveolens*. *Fitoterapia*, 3-4, 76, 2005, 344-347, ISSN: 0367-326X.

144. Bonovska, M., Tzvetkov, Y., Najdenski, H., Bachvarova, Y. PCR for detection of *Mycobacterium tuberculosis* in experimentally infected dogs. *Journal of Veterinary Medicine Series B: Infectious Diseases and Veterinary Public Health*, 4(52), 2005, 165-170, ISSN: 0931-1793.

145. Markova, N.; Michailova, L.; Kussovski, V.; Jourdanova, M.; Radoucheva, T. Intranasal application of lentinan enhances bactericidal activity of rat alveolar macrophages against *Mycobacterium tuberculosis*. *Pharmazie,* 60, 2005, 42-48, ISSN: 0031-7144**.**

146. Drandarska I.; Kussovski V.; Nikolaeva S.; Markova N. Combined immunomodulating effects of BCG and Lentinan after intranasal application in guinea pigs. *International Immunopharmacology*, 5, **2005**, 795-803, ISSN**:** 1520-5827.

147. Michailova, L., Kussovski, V., Radoucheva, T., Jordanova, M., Berger, W., Rinder, H., Markova, N. Morphological variability and cell-wall deficiency in Mycobacterium

tuberculosis 'heteroresistant' strains. *The International Journal of Tuberculosis and Lung Disease*, 9, 2005, 907-914. ISSN: 1027-3719

148. Gesheva, V., Ivanova, V., Gesheva, R. Effects of nutrients on the production of AK-111-81 macrolide antibiotic by *Streptomyces hygroscopicus*. *Microbiological Research,* 160(3), 2005, 243-248, ISSN 0944-5013

149. Goshev, I., Gousterova, A., Vasileva-Tonkova, E., Nedkov, P. Characterization of the enzyme complexes produced by two newly isolated thermophylic actinomycete strains during growth on collagen-rich materials. *Process Biochemistry,* 40, 2005, 1627-1631, ISSN 1359-5113

150. Gousterova, A., Braikova, D., Goshev, I., Christov, P., Tishinov, K., Tonkova, V.E., Haertle, T., Nedkov, P. Degradation of keratin and collagen containing wastes by newly isolated thermoactinomycetes or by alkaline hydrolysis. *Letters in Applied Microbiology,* 40, 2005, 335-340, ISSN 1472-765x

151. Gushterova, A., Vasileva-Tonkova, E., Dimova, E., Nedkov, P., Haertlé, T. Keratinase production by newly isolated Antarctic actinomycete strains. *World Journal of Microbiology and Biotechnology,* 21, 2005, 831-834, ISSN 0959-3993

152. Kabaivanova, L., Dobreva, E., Dimitrov, P., Emanuilova, E. Immobilization of cells with nitrilase activity from a thermophilic bacterial strain. *Journal of Industrial Microbiology & Biotechnology,* 32(1), 2005, 7-11, ISSN 1476-5535

153. Pavlova, K., Panchev, I., Hristozova, Ts. Physico-chemical characterization of exomannan by *Rhodotorula acheniorum* MC. *World Journal of Microbiology and Biotechnology,* 21, 2005, 963-972, ISSN 1476-5535.

154. Pavlov, A., Georgiev, M., Panchev, I., Ilieva, M. Optimisation of rosmarinic acid production by *Lavandula vera* MM plant cell suspension in a laboratory bioreactor. *Biotechnology Progress*, 21, 2005, 394-396, ISSN: 1520-6033.

155. Pavlov, A., Popov, S., Kovacheva, E., Georgiev, M., Ilieva, M. Volatile and polar compounds in *Rosa damascena* Mill 1803 cell suspension. *Journal of Biotechnology*, 118, 2005, 89-97. ISSN: 0168-1656.

156. Pavlov, A., Kovatcheva, P., Tuneva, D., Ilieva, M., Bley, T. Radical scavenging activity and stability of betalains from *Beta vulgaris* hairy root culture in simulated conditions of human gastrointestinal tract. *Plant Foods for Human Nutrition*, 60(2), 2005 43-47, ISSN: 0921-9668.

157. Berkov, S., Pavlov, A., Ilieva, M., Burrus, M., Popov, S., Stanilova, M. CGC-MS of alkaloids in *Leucojum aestivum* plants and their in vitro cultures. *Phytochemical Analysis*, 16 (2), 2005. 98-103, ISSN: 1099-1565.

158. Richards, T.A.,Vepritskiy, A.A., Gouliamova, D.E., Nierzwicki-Bauer, S.A. The molecular diversity of freshwater picoeukaryotes from an oligotrophic lake reveals diverse, distinctive and globally dispersed lineages. *Environmental Microbiology,* 7, 2005, 1413–1425, ISSN: 1462-2912

159. Lyutskanova, D., Stoilova-Disheva, M., Peltekova, V. Increase in tylosin production by a commercial strain of *Streptomyces fradiae*. *Applied Biochemistry and Microbiology*, 41 (2), 2005 , 165–168, ISSN 0003-68-38

160. Tuleva, B., Christova, N., Jordanov, B., Nikolova-Damyanova, B., Petrov, P. Naphthalene degradation and biosurfactant activity by Bacillus cereus 28BN. *Zeitschrift fur Naturforschung C*, 60, 2005, 577-582, ISSN: 0939-5075.

161. Vasileva-Tonkova, E., Gesheva, V. Glycolipids produced by Antarctic *Nocardioides* sp. during growth on *n*-paraffin. *Process Biochemistry*, 40, 2005, 2387-2391, ISSN 1359-5113

162. Goshev, I., Gousterova, A., Vasileva-Tonkova, E., Nedkov, P. Characterization of the enzyme complexes produced by two newly isolated thermophylic actinomycete strains during growth on collagen-rich materials. *Process Biochemistry*, 40, 2005, 1627-1631, ISSN 1359-5113

163. Gousterova, A., Braikova, D., Goshev, I., Christov, P., Tishinov, K., Tonkova, V.E., Haertle T., Nedkov P. Degradation of keratin and collagen containing wastes by newly isolated thermoactinomycetes or by alkaline hydrolysis. *Letters in Applied Microbiology*, 40, 2005, 335-340, ISSN: 0266-8254.

164. Gushterova, A., Vasileva-Tonkova, E., Dimova, E., Nedkov, P., Haertlé, T. Keratinase production by newly isolated Antarctic actinomycete strains. *World Journal of Microbiology and Biotechnology*, 21, 2005, 831-834, ISSN 0959-3993

165. Angelova, M.B., Pashova, S.B., Spasova, B.K., Vassilev, S.V., Slokoska, L.S. Oxidative stress response of filamentous fungi induced by hydrogen peroxide and paraquat. *Mycological Research*, 109, 2005, 150-158, ISSN: 0953-7562

166. Sokmen, M., Angelova, M., Krumova, E., Pashova, S., Ivancheva, S., Sokmen, A., Serkedjieva, J. In vitro antioxidant activity of polyphenol extracts with antiviral properties from *Geranium sanguineum* L. *Life Sciences,* 76, 2005, 2981-2993, ISSN:0024-3205

167. Michailova, L., Kussovski, V., Radoucheva, T., Jordanova, M., Berger, W., Rinder, H., Markova, N., Markova, N. Morphological variability and cell-wall deficiency in Mycobacterium tuberculosis 'heteroresistant' strains. *The International Journal of Tuberculosis and Lung Disease,* 9, 2005, 8 , 907-914, ISSN:1027-3719.

168. Drandarska, I., Kussovski, V., Nikolaeva, S., Markova, N. Combined immunomodulating effects of BCG and Lentinan after intranasal application in guinea pigs. *International Immunopharmacology,* 5, 2005, 4, 795-803, ISSN:1567-5769

169. Markova, N., Michailova, L., Kussovski, V., Jourdanova, M., Radoucheva, T. Intranasal application of lentinan enhances bactericidal activity of rat alveolar macrophages against Mycobacterium tuberculosis. *Pharmazie*, 60, 2005, 1, 42-48, ISSN:0031-7144.

170. Kramer, A., Galabov, A.S., Sattar, S.A., Döhner, L., Pivert, A., Payan, C., Wolff, M.H., Yilmaz, A., Steinmann, J.Virucidal activity of a new hand disinfectant with reduced ethanol content: Comparison with other alcohol-based formulations. *Journal of Hospital Infectio*n, 62(1), 2006, 98-106, ISSN: 0195-6701.

171. Dimitrova, P., Ivanovska, N. Influence of leflunomide on gastrointestinal Candida albicans infection induced in naive and arthritic newborn mice. *International Immunopharmacology,* 6, 2006, 1682-89. ISSN 1567-5769.

172. Dimitrov, J., Ivanovska, N., Lacroix-Desmazes, S., Doltchinkova, V., Kaveri, S., Vassilev, T. Ferrous ions and reactive oxygen species increase antigen-binding and anti-

inflammatory actyivities of immunoglobulin G. *Journal of Biological Chemistry,* 281, 2006, 439-446. ISSN 0021-9258

173. Monzavi-Karbassi, B., Pashov, A., Jousheghany, F., Artaud, C., Kieber-Emmons, T. Evaluating strategies to enhance the anti-tumor immune response to a carbohydrate mimetic peptide vaccine. *International Journal of Molecular Medicine,* 17, 2006, 1045-1052, ISSN 1107-3756

174. Mokrousov, I., Jiao, W.W., Valcheva, V., Vyazovaya, A., Otten, T., Ly, H.M., Lan, N.N., Limeschenko, E., Markova, N., Vyshnevskiy, B., Shen, A.D., Narvskaya, O. Rapid detection of the *Mycobacterium tuberculosis* Beijing genotype and its ancient and modern sublineages by IS6110-based inverse PCR. *Journal of Clinical Microbiology,* 44, 2006, 2851-6. ISSN: 0095-1137

175. Ignatova, M., Starbova, K., Markova, N., Manolova, N., Rashkov, I. Electrospun nano-fibre mats with antibacterial properties from quaternised chitosan and poly(vinyl alcohol). *Carbohydrate Research,* 341, 2006, 2098-2107. ISSN: 0008-6215.

176. Gocheva, Y.G., Krumova, E.T., Slokoska, L.S., Miteva J.G., Vassilev, S.V, Angelova M.B. Cell response of Antarctic and temperate strains of *Penicillium* spp. to different growth temperature. *Mycological Research*, 110, 2006, 1347-54, ISSN: 0953-7562

177. Simova, E., Simov, Z., Beshkova, D., Frengova, G., Dimitrov, Z., Spasov, Z. Amino acid profiles of lactic acid bacteria, isolated from kefir grains and kefir starter made from them. *International Journal of Food Microbiology* 107, 2006, 112-123, ISSN: 0168-1605

178. Frengova, G., Simova E., Beshkova, D. Beta-carotene-rich carotenoid-protein preparation and exopolysaccharide production by *Rhodotorula rubra* GED8 grown with a yogurt starter culture. *Zeitschrift für Naturforschung* 61c, 2006, 571-578, ISSN: 0341-0382

179. Georgiev, M., Pavlov, A., Ilieva, M. Selection of high rosmarinic acid producing *Lavandula vera* MM cell lines. *Process Biochemistry*, 41, 2006, 2068-2071, ISSN: 1359-5113

180. Georgiev, M., Kovacheva, E., Marcheva, N., Ilieva, M. Purification of rosmarinic acid extracts from *Lavandula vera* MM cell biomass. *Food Chemistry*, 94, 2006, 111-114, ISSN: 0308-8146.

181. Georgiev, M., Kuzeva, S., Pavlov, A., Kovacheva, E., Ilieva, M. Enhanced rosmarinic acid production by *Lavandula vera* MM cell suspension culture through elicitation with vanadyl sulfate. *Zeitschrift für Naturforschung C*, 61c, 2006, 241-244, ISSN 0939-5075.

182. Pavlov, A., Bley, Th. Betalains biosynthesis by *Beta vulgaris* L. hairy root culture in a temporary immersion cultivation system. *Process Biochemistry*, 41(4), 2006, 848-852, ISSN: 1359-5113

183. Nustorova, M., Braikova, D., Gousterova, A., Vasileva-Tonkova, E., Nedkov, P. Chemical, microbiological and plant analysis of soil fertilized with alkaline hydrolysate of sheep's wool waste. *World Journal of Microbiology and Biotechnolology*, 22, 2006, 383-390, ISSN 0959-3993

184. Todorov, S.D., Danova, S.T., van Reenen, C.A., Meincken, M., Dinkova, G., Ivanova, I.V., Dicks L.M. Characterization of bacteriocin HV219, produced by *Lactococcus lactis* subsp. *lactis* HV219 isolated from human vaginal secretions. *Journal of Basic Microbiolfgy*, 46, 2006, 226-238, ISSN 0233-111X

185. Angelova, L., Dalgalarrondo, M., Minkov, I., Danova, S., Kirilov, N., Serkedjieva, J., Chobert, J.-M., Ivanova, I. Purification and characterisation of a protease inhibitor from *Streptomyces chromofuscus* 34-1 with an antiviral activity. *Biochimica et Biophysica Acta - General Subjects*, 1760, 2006, 1210-1216 ISSN 0304-4165

186. Stoilova, I., Krastanov, A., Stanchev, V., Daniel, D., Gerginova, M., Alexieva, Z. Biodegradation of high amounts of phenol, catechol, 2,4-dichlorophenol and 2,6-dimethoxyphenol by *Aspergillus awamori* cells. *Enzyme and Microbial Technology*, 39, 2006, 1036-1041, ISSN 0141-0229

187. Godjevargova, T., Ivanova, D., Aleksieva, Z., Burdelova, G. Biodegradation of phenol by immobilized *Trichosporon cutaneum* R57 on modified polymer membranes. *Process Biochemistry*, 41, **2006**, 2342-2346, ISSN 1359-5113

188. Petrova, P.M., Gouliamova, D.E. Rapid screening of plasmid-encoded small *hsp* genes. *Current Microbiology*, 53, 2006, 422-426, ISSN: 0343-8651

189. Stoyancheva, G.D., Danova, S.T., Boudakov, I.Y. Molecular identification of vaginal lactobacilli isolated from Bulgarian women. *Antonie Van Leeuwenhoek*, 90, 2006, 201-210, ISSN 0003-6072

190. Derekova, A., Sjøholm, C., Mandeva, R., Michailova, L., Kambourova, M. Biosynthesis of a thermostable gellan lyase by newly isolated and characterized strain of *Geobacillus stearothermophilus* 98. *Extremophiles,* 10, 2006, 321-326, ISSN 1431-0651

191. Ianis, M., Tsekova, K., Vasileva, S. Copper biosorption by *Penicillium cyclopium*: equilibrium and modeling study. *Biotechnol. Biotechnol. Eq.* 1, 2006, 195-201, ISSN 1310-2818

192. Kroumov, A.D., Modenes, A.N., Tait, M.C.D.A. Development of new unstructured model for simultaneous saccharification and fermentation of starch to ethanol by recombinant strain. *Biochemical Engineering Journal*, 28(3), 2006, 243-255, ISSN 1369-703X

193. Savov, V., Galabov, A. ., Tantcheva, L., Mileva, M., Pavlova, E., Stoeva, E., Braikova, A. Effects of rutin and quercetin on monooxygenase activities in experimental influenza virus infection. *Experimental and Toxicological Pathology,* 58, 2006, 59–64**.** ISSN 0940-2993.

194. Tsvetanova, Z. Study of the biofilm formation on different pipe materials in a drinking water distribution system and its impact on drinking water quality, *In*: NATO Security through Science Series. Chemical as Intentional and Accidental Global Environmental Threats, L.Simeonov and E.Chirila (eds.), Springer, 2006, 463-468, ISSN 1872-4668 **.**

195. Kovacheva, E., Georgiev, M., Pashova, S., Angelova, M., Ilieva, M. Radical Quenching by Rosmarinic Acid from *Lavandula vera* MM Cell Culture. *Zeitschrift für Naturforschung*, 61c, 2006, 517-520, ISSN 0340-4811.

196. Najdenski, H., Golkocheva, E., Kussovski, V., Ivanova, E., Manov, V., Iliev, M., Vesselinova, A., Bengoechea, J.A., Skurnik, M. Experimental pig yersiniosis to assess attenuation of Yersinia enterocolitica O:8 mutant strains. *FEMS Immunology & Medical Microbiology*, 47, 2006, 3, 425-435, ISSN:0928-8244.

197. Mokrousov, I., Jiao, WW., Sun, GZ., Liu, JW., Valcheva, V**.,** Li, M., Narvskaya, O., Shen, AD. Evolution of drug resistance in different sublineages of Mycobacterium

tuberculosis Beijing genotype. *Antimicrobial Agents and Chemother*apy, 50, 2006, , 2820-2823, ISSN: 1098-6596

198. Galabov, A.S., Simeonova, L., Gegova, G. Rimantadine and oseltamivir demonstrate synergistic combination effect in an experimental infection with type A (H3N2) influenza virus in mice. *Antiviral Chemistry and Chemotherapy*, 17(5), 2006, 251-258, ISSN: 0956-3202, IF

199. Monzavi-Karbassi, B., Hennings, L.J., Artaud, C., Liu, T., Jousheghany, F., Pashov, A., Murali, R., Hutchins, L.F., Kieber-Emmons, T. Preclinical studies of carbohydrate mimetic peptide vaccines for breast cancer and melanoma. *Vaccine,* 25, 2007, 3022, ISSN 0264-410X

200. Shalova, I.N., Cechalova, K., Rehakova, Z., Dimitrova, P., Ognibene, E., Caprioli, A., et al. Decrease of dehydrogenase activity of cerebral glyceraldehyde-3-phosphate dehydrogenase in different animal models of Alzheimer's disease. *Biochimica et Biophysica Acta - General Subjects*, 1770, 2007, 826-832. ISSN 0304-4165.

201. Pashov, A., Monzavi-Karbassi, B., Raghava, G., Kieber-Emmons, T. Peptide mimotopes as prototypic templates of broad-spectrum surrogates of carbohydrate antigens for cancer vaccination. *Critical Revews in Immunology,* 27, 2007, 247-270, ISSN 1040-8401

202. Popova, M.P., Bankova, V.S., Bogdanov, S., Tsvetkova, I., Naydenski, C., Marcazzan, G.L., Sabatini, A.G. Chemical characteristics of poplar type propolis of different geographic origin. *Apidologie*, 3(38), 2007, 306-311, ISSN: 0044-8435.

203. Batovska, D., Parushev, St., Slavova, A., Bankova, V., Tsvetkova, I., Ninova, M., Najdenski, H. Study on the substituents' effects of a series of synthetic chalcones against the yeast *Candida albicans*. *European Journal of Medicinal Chemistry*, 1(42), 2007, 87-92, ISSN: 0223-5234

204. Idakieva, K., Gielens, C., Siddiqui, N. I., Doumanova, L., Vaseva, B., Kostov, G., Shnyrov, V. Irreversible thermal denaturation of b-hemocyanin of *Helix pomatia* and its substructures studied by differential scanning calorimetry *Zeitschrift für Naturforschung 62a,* 9, 2007, 499-506. ISSN 0932-0784.

205. Siddiqui, N.I., Idakieva, K., Demarsin, B., Doumanova, L., Compernolle, F., Gielens, C. Involvement of glycan chains in the antigenicity of *Rapana thomasiana* hemocyanin. *Biochemical and Biophysical Research Communications*, 361, 2007, 705-711, ISSN 0006-291X.

206. Kambourova, M., Mandeva, R., Fiume, I., Maurelli, L., Rossi, M., Morana, A. Hydrolysis of xylan at high temperature by co-action of the xylanase from *Anoxybacillus flavithermus* BC and the β-xylosidase/α-arabinosidase from *Sulfolobus solfataricus* Oα. *Journal of Applied Microbiology* 102, 2007, 1586-1593, ISSN 1364-5072

207. Derekova, A., Sjøholm, C., Mandeva, R., Kambourova, M. *Anoxybacillus rupiensis* sp. nov., a novel thermophilic bacterium isolated from Rupi basin (Bulgaria). *Extremophiles* 11, 2007, 577-583, ISSN 1431-0651

208. Guncheva, M., Zhiryakova, D., Radchenkova, N., Kambourova, M. Effect of nonionic detergents on the activity of a thermostable lipase from *Bacillus stearothermophilus* MC7. *Journal of Molecular Catalysis B: Enzymatic* 49, 2007, 88-91, ISSN 1381-1177

209. Safarikova, M., Atanasova, N., Ivanova, V., Weyda, F., Tonkova, A. Cyclodextrin glucanotransferase synthesis by semicontinuous cultivation of magnetic biocatalysts from

cells of *Bacillus circulans* ATCC 21783. *Process Biochemistry* 42, 2007, 1454-1459, ISSN 1359-5113

210. Kuncheva, M., Pavlova, K., Panchev, I., Dobreva, S. Emulsifying power of mannan and glucomannan produced by yeasts. *International Journal of Cosmetic Science*, 29, 2007, 377-384, ISSN: 1468-2494 .

211. Simova, E., Beshkova, D. Effect of growth phase and growth medium on peptidase activities of starter lactic acid bacteria. *Le Lait, Dairy Science and Technology* 87, 2007, 555-573, ISSN: 0023-7302

212. Georgiev, M., Kuzeva, S., Pavlov, A., Kovacheva, E., Ilieva, M. Elicitation of rosmarinic acid by *Lavandula vera* MM cell suspension culture with abiotic elicitors. *World Journal of Microbiology and Biotechnology*, 23, 2007, 301-304, ISSN: 0959-3993.

213. Pavlov, A., Berkov, S., Courot, E., Gocheva, T., Tuneva, D., Pandova, B., Georgiev, M., Georgiev, V., Yanev, S., Burrus, M., Ilieva, M. Galanthamine production by *Leucojum aestivum in vitro* systems. *Process Biochemistry*, 42(4), 2007, 734-739, ISSN: 1359-5113.

214. Vasileva-Tonkova, E., Nustorova, M., Gushterova, A. New protein hydrolysates from collagen wastes used as peptone for bacterial growth. *Current Microbiology*, 54, 2007, 54-57, ISSN 0343-8651

215. Vasileva-Tonkova, E., Gesheva, V. Biosurfactant Production by Antarctic Facultative Anaerobe *Pantoea* sp. During Growth on Hydrocarbons. *Current Microbiology*, 54, 2007, 136-141, ISSN 0343-8651

216. Gerginova, M., Manasiev, J., Shivarova, N., Alexieva, Z. Influence of various phenolic compounds on phenol hydroxylase activity of a *Trichosporon cutaneum* strain. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences* 62, 2007, 83-86 ISSN 0939-5075

217. Dimitonova, S.P., Danova, S.T., Serkedjieva, J.P., Bakalov, B.V. Antimicrobial activity and protective properties of vaginal lactobacilli from healthy Bulgarian women. *Anaerobe*, 5-6, 2007, 178-184, ISSN 1075-9964

218. Tzvetkova, I., Dalgalarrondo, M., Danova, S., Iliev, I., Ivanova, I., Chobert, J.-M., Haertle, T. Hydrolysis of major dairy proteins by lactic acid bacteria from Bulgarian yogurts. *Journal of Food Biochemistry*, 31, 2007, 680-702 ISSN: 1745-4514

219. Todorov, S.D., Botes, M., Danova, S.T., Dicks, L.M.T. Probiotic properties of *Lactococcus lactis* ssp. lactis HV219, isolated from human vaginal secretions. *Journal of Applied Microbiology*, 103, 2007, 629-639 ISSN 1365-2672

220. Petrov, K., Petrova, P., Beschkov, V. Improved immobilization of *Lactobacillus rhamnosus* ATCC 7469 in polyacrylamide gel, preventing cell leakage during lactic acid fermentation. *World Journal of Microbiology and Biotechnology*, 23, 2007, 423-428, ISSN 0959-3993

221. Ivanova, V., Kolarova, M., Aleksieva, K. Malonyl-4,5-dihydroniphimycin: A new polyol macrolide antibiotic, produced by *Streptomyces hygroscopicus*. *Zeitschrift für Naturforschung,* 62b(9), 2007, 1187-1192, ISSN 0932-0776

222. Ivanova, V., Kolarova, M., Aleksieva, K., Grafe, U., Dahse, H.-M., Laatsch, H. Microbiaeratin, a new natural indole alkaloid from a *Microbispora aerata* strain, isolated

from Livingston Island, Antarctica. *Preparative Biochemistry and Biotechnology* 37(2), 2007, 161-168, ISSN 1532-2297

223. Ivanova, V., Kolarova, M., Aleksieva, K., Graefe, U., Schlegel, B. Diphenylether and macrotriolides occurring in a fungal isolate from the antarctic lichen Neuropogon. *Preparative Biochemistry and Biotechnology,* 37(1), 2007, 39-45, ISSN 1532-2297

224. Simeonov, I., Yordanov, S. Analysis of nonlinear dynamical models of the anaerobic degradation of organic wastes. *Journal of the Technical University of Gabrovo* 35, 2007, 51-56, ISSN 1310-6686.

225. Mantareva, V., Kussovski, V., Angelov, I., Borisova, E., Avramov, L., Schnurpfeil, G., Wöhrle, D. Photodynamic activity of water-soluble phthalocyanine zinc(II) complexes against pathogenic microorganisms. *Bioorganic & Medicinal Chemistry,* 15, 2007, 4829-4835, ISSN: 0968-0896.

226. Dimova, T., Mihaylova, A., Spassova, P., Georgieva, R. Establishment of the porcine epitheliochorial placenta is associated with endometrial T-cell recruitment. *American Journal of Reproductive Immunology* 57 (4), 2007, 250-261, ISSN: 1600-0897.

227. Raykov, Z., Grekova, S., Galabov, A.S., Balboni, G., Koch, U., Aprahamian, M., Rommelaere, J. Combined oncolytic and vaccination activities of parvovirus H-1 in a metastatic tumor model. *Oncology Reports*, 17(6), 2007, 1493-1499, ISSN:1021-335X,

228. Espinoza-Quinones, F.R., Martin, N., Stutz, G., Tirao, G., Palacio, S.M., Rizzutto, M.A., Modenes, A.N., Kroumov, A.D. Root uptake and reduction of hexavalent chromium by aquatic macrophytes as assessed by high-resolution X-ray emission. *Water Res.* 43(17), 2009, 4159-4166, ISSN 0043-1354.

229. Dimitrova, P., Yordanov, M., Danova, S., Ivanovska, N. Enhanced resistance against systemic Candida albicans infection in mice treated with C. albicans DNA. *FEMS Immunology and Medical Microbiology*, 53, 2008, 231-236. ISSN 0928-8244.

230. Yordanov, M., Dimitrova, P., Patkar, S., Saso, L., Ivanovska, N. Inhibition *of Candida albicans* extracellular enzyme activity by selected natural substances and their application in Candida infection. *Canadian Journal of Microbiology*, 54, 2008, 435-440. ISSN 0008-4166.

231. Voynova, E, Tchorbanov, A, Prechl, J, Nikolova, M, Baleva, M, Erdei, A, Vassilev, T. An antibody-based construct carrying DNA-mimotope and targeting CR1(CD35) selectively suppresses human autoreactive B-lymphocytes. *Immunology Letters,* 116, 2008, 168-173. ISSN: 0165-2478

232. Kostadinova, EA., Alipieva, KA., Stefova, MB., Antonova, DA., Evstatieva, LC., Stefkov, GD., Tsvetkova, IE., Naydenski, HE., Bankova, V. Influence of cultivation on the chemical composition and antimicrobial activity of *Sideritis spp*. *Pharmacognosy Magazine*, 14, 4, 2008, 102-106, ISSN: 0973-1296

233. Valcheva, V., Mokrousov, I., Rastogi, N., Narvskaya, O., Markova, N. Molecular characterization of *Mycobacterium tuberculosis* isolates from different regions of Bulgaria\. *Journal of Clinical Microbiology*, 46, 2008, 1014-1018. ISSN: 0095-1137

234. Valcheva, V., Mokrousov, I., Narvskaya, O., Rastogi, N., Markova, N. Molecular snapshot of drug-resistant and drug-susceptible Mycobacterium tuberculosis strains circulating in Bulgaria. *Infection Genetics and Evol*ution, 8, 2008, 657-663. ISSN: 1567-1348

235. Valcheva, V., Mokrousov, I., Narvskaya, O., Rastogi, N., Markova, N. Utility of New 24-Locus Variable-Number Tandem-Repeat Typing for Discriminating *Mycobacterium tuberculosis* Clinical Isolates Collected in Bulgaria. *Journal of Clinical Microbiology*, 46, 2008, 3005-3011. ISSN: 0095-1137

236. Ignatova, M., Markova, N., Manolova, N., Rashkov, I. Antibacterial and antimycotic activity of a cross-linked electrospun poly(vinyl pyrrolidone)-iodine complex and a poly(ethylene oxide)/poly(vinyl pyrrolidone)-iodine complex . *Journal of Biomaterials Science, Polymer Edition*, 19, 2008, 373-386. ISSN: 0920-5063

237. Hoekstra, E., Aertgeerts, R., Bonadonna, L., Cortvriend, J., Drury, D., Goossens, R., Jiggins, P., Lucentini, L., Mendel, B., Rasmussen, S., Tsvetanova, Z., Versteegh, A., Weil, A. The Advice of the Ad-Hoc Working Group on Sampling and Monitoring to the Standing Committee on Drinking Water Concerning Sampling and Monitoring for the Revision of the Council Directive 98/83/EC, EUR 23374 EN, Scientific and Technical Research series, ISSN 1018-5593, Luxembourg, OPOCE, 2008, pp. 36. http://publications.jrc.ec.europa.eu/repository/bitstream/111111111/1331/1/reqno_jrc45484_final%20report%5B2%5D.pdf **(9)**

238. Borba, C.E., Silva, E.A.d., Fagundes-Klen, M.R., Kroumov, A.D., Guirardello, R. Prediction of the copper (II) ions dynamic removal from a medium by using mathematical models with analytical solution. *Journal of Hazardous Materials,* 152(1), 2008, 366-372, ISSN 0304-3894.

239. Samuneva, B., Djambaski, P., Kashchieva, E., Chernev, G., Kabaivanova, L., Emanuilova, E., Salvado, I.M.M., Wu, A. Sol-gel synthesis and structure of silica hybrid biomaterials. *Journal of Non-Crystalline Solids,* 354(2-9), 2008, 733-740, ISSN 0022-3093

240. Samuneva, B., Kabaivanova, L., Chernev, G., Djambaski, P., Kashchieva, E., Emanuilova, E., Miranda Salvado, I.M., Wu, A. Sol-gel synthesis and structure of silica hybrid materials. *Journal of Sol-Gel Science and Technology,* 48(1-2), 2008, 73-79, ISSN 1573-4846

241. Spasova, D., Aleksieva, P., Nacheva, L., Kabaivanova, L., Chernev, G., Samuneva, B. Examination of *Humicola lutea* immobilized in sol-gel matrices: Effective source of α-galactosidase. *Zeitschrift für Naturforsch*ung, 63c(11-12), 2008, 893-897, ISSN 0939-5075

242. Todorova, D., Nedeva, D., Abrashev, R., Tsekova, K. Cd (II) stress response during the growth of *Aspergillus niger* B77. *Journal of Applied Microbiology,* 104(1), 2008, 178–184, ISSN 1365-2672

243. Atanasova, N., Petrova, P., Ivanova, V., Yankov, D., Vassileva, A., Tonkova, A. Isolation of novel alkaliphilic Bacillus strains for cyclodextrin glucanotransferase production. *Applied Biochemistry and Biotechnology* 149, 2008, 155-167, ISSN 0273-2289

244. Guncheva, M., Zhiryakova, D., Radchenkova, N., Kambourova, M. Acidolysis of tripalmitin with oleic acid catalyzed by a newly isolated thermostable lipase. *Journal of the American Oil Chemists' Society* 85, 2008, 129-132, ISSN 0003-021X

245. Atanassova, M., Derekova, A., Mandeva, R., Sjoholm, C., Kambourova, M. *Anoxybacillus bogrovensis* sp. nov., a novel thermophilic bacterium isolated from a hot spring in Dolni Bogrov, Bulgaria. *International Journal of Systematic and Evolutionary Microbiology* 58, 2008, 2359-2362, ISSN 1466-5026

246. Derekova, A., Mandeva, R., Kambourova, M. Phylogenetic diversity of thermophilic carbohydrate degrading bacilli from Bulgarian hot springs. *World Journal of Microbiology and Biotechnology* 24, 2008, 1697-1702, ISSN 0959-3993.

247. Simova, E.D., Beshkova, D.M., Angelov, M.P., Dimitrov, Zh.P. Bacteriocin production by strain *Lactobacillus delbrueckii* ssp. *bulgaricus* BB18 during continuous prefermentation of yogurt starter culture and subsequent batch coagulation of milk. *Journal of Industrial Microbiology and Biotechnology* 35, 2008, 559-567, ISSN: 0168-1605

248. Kovatcheva-Apostolova, E., Georgiev, M., Ilieva, M., Skibsted, L., Rødtjer, A., Andersen, M. Extracts of plant cell cultures of *Lavandula vera* and *Rosa damascena* as sources of phenolic antioxidants for use in foods. *European Food Research and Technology*, 227, 2008, 1243-1249, ISSN: 1438-2377.

249. Ludwig-Mueller, J., Georgiev, M., Bley, Th. Metabolite and hormonal status hairy root cultures of Devil's claw (*Harpagophytum procumbens*) in flasks and in a bubble column bioreactor. *Process Biochemistry,* 43(1), 2008, 15-23, ISSN: 1359-5113.

250. Georgiev, M., Georgiev, V., Weber, J., Bley, T., Ilieva, M., Pavlov, A. Agrobacterium rhizogenes-mediated genetic transformations: A powerful tool for the production of metabolites. In: Genetically Modified Plants, (T. Wolf and J. Koch edits.); *Nova Science Publishers*, Hauppauge, NY, USA, 2008, 99-126, ISBN: 978-1-60456-696-3.

251. Georgiev, V., Ilieva, M., Bley, T., Pavlov, A. Betalain production in plant *in vitro* systems. *Acta Physiologiae Plantarum*, 30(5), 2008, 581-593, ISSN: 0137-5881.

252. Weber, J., Georgiev, V., Pavlov, A., Bley, Th. Flow cytometric investigations of diploid and tetraploid plants and *in vitro* cultures of *Datura stramonium* and *Hyoscyamus niger*. *Cytometry A*, 73(A), 2008, 931-939, ISSN: 1552-4930.

253. Yoneva, A., Georgieva, K., Mizinska, Y., Nikolov, P.N., Georgiev, B.B., Stoitsova, S.R. Ultrastructure of spermiogenesis and mature spermatozoon of *Anonchotaenia globata* (von Linstow, 1879) (Cestoda, Cyclophyllidea, Paruterinidae). *Acta Zoologica* (Stockholm), 91, 2008, 184-192, ISSN 1463-6395.

254. Petrov, K., Urshev, Z., Petrova, P. L (+) - Lactic acid production from starch by a novel amylolytic *Lactococcus lactis* subsp. *lactis* B84. *Food Microbiology* 25(4), 2008, 550-557, ISSN 0740-0020

255. Atanasova, N., Petrova, P., Ivanova, V., Yankov, D., Tonkova A. Novel alkalophilic *Bacillus* strains for cyclodextrin glucanotransferase production, *Applied Biochemistry and Biotechnolog*y, 149, 2008, 155-167, ISSN: 0273-2289

256. Georgieva, R., Iliev, I. N., Chipeva, V.A., Dimitonova, S.P, Samelis, J., Danova S.T. Identification and *in vitro* characterisation of *L. plantarum* strains from artisanal Bulgarian white brined cheeses. *Journal of Basic Microbiology*, 48, 2008, 234-244 ISSN: 1521-4028

257. Dimitonova, S.P., Bakalov, B.V., Aleksandrova-Georgieva, R.N., Danova, S.T. Phenotypic and molecular identification of lactobacilli isolated from vaginal secretions. *Journal of Microbiology, Immunology and Infection*, 6, 2008, 469-477 ISSN 1684-1182

258. Stoylov, S.P., Gyurova, A., Georgieva, R., Danova, S. Do bacteria have an electric permanent dipole moment. *Colloids and Surfaces B: Biointerfaces*, 2, 2008, 255-259 ISSN 0927-7765

259. Alexieva, Z., Gerginova, M., Manasiev, J., Zlateva, P., Shivarova, N., Krastanov, A. Phenol and cresol mixture degradation by the yeast *Trichosporon cutaneum*. *Journal of Industrial Microbiology and Biotechnology*, 35, 2008, 1297-1301, ISSN 1367-5435

260. Yemendzhiev, H., Gerginova, M., Krastanov, A., Stoilova, I., Alexieva, Z. Growth of *Trametes versicolor* on phenol. *Journal of Industrial Microbiology and Biotechnology* 35, 2008, 1309-1312 ISSN 1367-5435

261. Yemendzhiev, H., Gerginova, M., Zlateva, P., Stoilova, I., Krastanov, A., Alexieva, A., Phenol and cresol mixture degradation by *Aspergillus awamori* strain: biochemical and kinetic substrate interactions. *Proceedings ECOpole* 2, 2008, 153-159. ISSN 1898-617X

262. Lahtchev, K.L., Batovska, D.I., Parushev, P. St., Ubiyvovk, V.M., Sibirny, A.A. Antifungal activity of chalcones: A mechanistic study using various yeast strains. *European Journal of Medicinal Chemistry*, 43, 2008, 2220-2228, ISSN 0223-5234

263. Angelova, B., Avramova, T., Stefanova, L., Mutafov, S. Temperature effect on the azo bond reduction kinetics of a sulfonated mono azo dye. *Biodegradation,* 19, 2008, 387-393, ISSN 0923-9820

264. Avramova, T., Sotirova, A., Galabova, D., Karpenko, E. Effect of Triton-100 and rhamnolipid PS-17 on mineralization of phenanthrene by Pseudomonas sp. cells. *International Biodeterioration and Biodegradation,* 62, 2008, 415-420, ISSN: 0964-8305

265. Sotirova, A., Spasova, D., Galabova, D., Karpenko, E., Shulga, A. Rhamnolipid-Biosurfactant Permeabilizing Effects on Gram-Positive and Gram-Negative Bacterial Strains. *Current Microbiology*, 56, 2008, 639-644, ISSN: 0343-8651

266. Remichkova, M. , Galabova, D., Roeva, I., Karpenko, E.,Shulga, A., Galabov, A. Anti-herpesvirus activities of Pseudomonas sp. S-17 rhamnolipid and its complex with alginate. *Zeitschrift fur Naturforschung C*, 63, 2008*,* 75-81, ISSN:0939-5075

267. Tuleva, B., Christova, N., Cohen, R., Stoev, G., Stoineva, I. Production and structural elucidation of trehalose tetraesters (biosurfactants) from a novel alkanothrophic *Rhodococcus wratislaviensis* strain. *Journal of Applied Microbiology*, 104, 2008, 1703-1710, ISSN: 1365-2672

268. Kabaivanova, L., Dimitrov, P., Boyadzhieva, I., Engibarov, S., Dobreva, E., Emanuilova, E. Nitrile Degradation by Free and Immobilized Cells of the Thrmophile *Bacillus sp*. UG-5B, Isolated from Polluted Industrial Waters. *World Journal of Microbiology and Biotechnology*, **24**, 2008, 2383-2388, ISSN: 0959-3993

269. Gousterova, A., Nustorova, M., Christov, P., Nedkov, P., Neshev, G., Vasileva-Tonkova, E. Development of a biotechnological procedure for treatment of animal wastes to obtain inexpensive biofertilizer. *World Journal of Microbiology and Biotechnology,* 24, 2008, 2647-2652, ISSN 0959-3993

270. Vasileva-Tonkova, E., Galabova, D., Stoimenova E., Lalchev, Z. Characterization of bacterial isolates from industrial wastewater according to probable modes of hexadecane uptake. *Microbiological Research*, 163, 2008, 481-486, ISSN 0944-5013

271. Bakalova, R., Zhelev, Zh., Aoki, I., Masamoto, K., Mileva, M., Obata, T., Higuchi, M., Gadjeva, V., Kanno I. Multimodal silica-shelled quantum dots: direct intracelular delivery, photosensitization, toxic, and microcirculation effects. *Bioconjugate Chemistry*, 19, 2008, 1135-1142. ISSN 1043-1802.

272. Raykov, Z., Grekova, S., Leuchs, B. Arming parvoviruses with CpG motifs to improve their oncosuppressive capacity. *International Journal of Cancer,* 122, 2008, 2880-2884, 23472. ISSN 0020-7136.

273. Spasova, M., Philipov, S., Nikolaeva-Glomb, L., Galabov, A. S., Milkova, Ts. Cinnamoyl- and hydroxycinnamoyl amides of glaucine and their antioxidative and antiviral activities.*Bioorganic and Medicinal Chemistry* 16*,* 2008, 7456-7460. ISSN 0968-0896.

274. Abrashev, R.I., Pashova, S.B., Stefanova, L.N., Vassilev, S.V., Dolashka-Angelova, P.A., Angelova, M.B. Heat-shock-induced oxidative stress and antioxidant response in *Aspergillus niger* 26. *Canadian Journal of Microbiology*, 54(12), 2008, 977-983, ISSN: 0008-4166

275. Angelova, M.B. Microbial pectinases: Application in horticultural industries. In: *Microbial Biotechnology in Horticulture*. 2008, Editors Ray RC., Ward OP., 3, Science Publishers Inc. Enfield, NH, USA 101-179, ISBN 978-1-57808-520-0

276. Dolashki, A., Abrashev, R., Stevanovic, S., Stefanova, L., Abid Alid, S., Velkova, L., Hristova, R., Angelova, M., Voelter, W., Devreese, B., Van Beeumen, J., Dolashka-Angelova, P. Biochemical properties of Cu/Zn-superoxide dismutase from fungal strain *Aspergillus niger* 26. *Spectrochim Acta A*, 71(3), 2008, 975–983, ISSN: 1386-1425

277. Li, Q., Abrashev, R., Harvey, L.M., McNeil, B. Oxidative stress-associated impairment of glucose and ammonia metabolism in the filamentous fungus, *Aspergillus niger* B1-D. *Mycological Research*, 112(9), 2008, 1049-1055, ISSN: 0953-7562

278. Todorova, D., Nedeva, D., Abrashev, R., Tsekova, K. Cd (II) stress response during the growth of *Aspergillus niger* B 77. *Journal of Applied Microbiology*, 104(1), 2008, 178-184, ISSN: 1365-2672

279. Dimova, T., Mihaylova, A., Spassova, P., Georgieva, R.. Superficial Implantation in Pigs Is Associated with Decreased Numbers and Redistribution of Endometrial NK-Cell Populations. *American Journal of Reproductive Immunology* 59, 2008, 359-459, ISSN:1600-0897.

280. Stenqvist, A.C., Chen, T., Hedlund, M., Dimova, T., Nagaeva, O., Kjellberg, L., Innala, E., Mincheva-Nilsson, L. An efficient optimized method for isolation of villous trophoblast cells from human early pregnancy placenta suitable for functional and molecular studies. *American Journal of Reproductive Immunology*, 60, 2008, 33-42, ISSN: 1600-0897.

281. Spasova, M., Philipov, S., Nikolaeva-Glomb, L., Galabov, A.S, Milkova, Ts. Cinnamoyl- and hydroxycinnamoyl amides of glaucine and their antioxidative and antiviral activities. *Bioorganic and Medicinal Chemistry*, 16(15), 2008, 7457-7461, ISSN:0968-0896,

282. Remichkova, M., Dimitrova, P., Philipov, S., Ivanovska, N. Toll-like receptor-mediated anti-inflammatory action of glaucine and oxoglaucine. *Fitoterapia*, 80, 2009, 411-414. ISSN 0367-326X.

283. Petrova, M., Georgieva, R., Dimitonova, S., Ivanovska, N., Hadjieva, N., Danova, S. Inhibitory activity of vaginal lactobacilli against human pathogens. *Biotechnology & Biotechnological Equipment*, 23, 2009, SE, 627-631. ISSN 1310-2818

284. Toncheva, A., Remichkova, M., Ikonomova, K., Dimitrova, P., Ivanovska, N. Inflammatory response in patients with active and inactive osteoarthritis. *Rheumatology International*, 29, 2009, 1197-1203. ISSN 0172-8172.

285. Kostova, I., Stefanova, Ts. Synthesis, characterization and cytotoxic/cytostatic activity of Sm(III) and Gd(III) complexes. *Journal of Coordination Chemistry*, 62, 2009, 3187-3197, ISSN 0095-8972

286. Nikolova, K., Tchorbanov, A., Djoumerska-Alexieva, I., Nikolova, M., Vassilev, T. Intravenous immunoglobulin up-regulates the expression of the inhibitory FcγIIB receptor on B cells. *Immunology & Cell Biology*, 87, 2009, 529–533. ISSN 0818-9641

287. Batovska, D., Parushev, S., Stamboliyska, B., Tsvetkova, I., Ninova, M., Najdenski, H. Examination of growth inhibitory properties of synthetic chalcones for which antibacterial activity was predicted. *European Journal of Medicinal Chemistry*, 5, 44, 2009, 2211-2218, ISSN: 0223-5234.

288. Batovska, D.I., Todorova, I.T., Tsvetkova, I.V., Najdenski, H.M. Antibacterial study of the medium chain fatty acids and their 1-monoglycerides: Individual effects and synergistic relationships. *Polish Journal of Microbiology*, 1, 58, 2009, 43-47, ISSN: 1733-133

289. Ignatova, M., Manolova, N., Markova, N., Rashkov, I. Electrospun Non-Woven Nanofibrous Hybrid Mats Based on Chitosan and PLA for Wound-Dressing Applications. *Macromolecular Bioscience*, 9, 2009, 102-111, ISSN: 1616-5195.

290. Angelova, A.L., Aprahamian, M., Balboni, G., Delecluse, H.-J., Feederle, R., Kiprianova, I., Grekova, S.P., Galabov, A.S., Witzens-Harig, M., Ho, A.D., Rommelaere, J., Raykov, Z. Oncolytic parvovirus H-1PV, a candidate for the treatment of human lymphoma: In vitro and in vivo studies. *Molecular Therapy*, 17 (7), 2009, 1164-1172, ISSN 1525-0016

291. Angelova, A.L., Aprahamian, M., Grekova, S.P., Hajri, A., Leuchs, B., Giese, N.A., Dinsart, C., Herrmann, A., Balboni, G., Rommelaere, J., Raykov, Z. Improvement of gemcitabine-based therapy of pancreatic carcinoma by means of oncolytic parvovirus H-1PV. *Clinical Cancer Research*, 15 (2), 2009, 511-519, ISSN 1078-0432.

292. Idakieva, K., Chakarska, I., Ivanova, P., Tchorbanov, A., Dobrovolov, I., Doumanova, L. Purification of hemocyanin from marine gastropod *Rapana thomasiana* using ammonium sulfate precipitation method. *Biotechnology & Biotechnological Equipment,* 23, 2009, 1364-1367. ISSN 1310-2818.

293. Djambaski, P., Aleksieva, P., Emanuilova, E., Chernev, G., Spasova, D., Nacheva, L., Kabaivanova, L., Miranda, Salvado, I.M., Samuneva, B. Sol-gel nanomaterials with algal heteropolysaccharide for immobilization of microbial cells, producing α-galactosidase and nitrilase. *Biotechnology & Biotechnological Equipment,* 23(2), 2009, 1270-1274, ISSN 1310-2818

294. Espinoza-Quinones, F.R., Martin, N., Stutz, G., Tirao, G., Palacio, S.M., Rizzutto, M.A., Modenes, A.N., (...), Kroumov, A.D. Root uptake and reduction of hexavalent chromium by aquatic macrophytes as assessed by high-resolution X-ray emission. *Water Research,* 43(17), 2009, 4159-4166, ISSN 0043-1354.

295. Espinoza-Quinones, F.R., Fornari, M.M.T., Modenes, A.N., Palacio, S.M., da Silva, Jr. F.G., Szymanski, N., Kroumov, A.D., Trigueros, D.E.G. Pollutant removal from tannery

effluent by electrocoagulation. *Chemical Engineering Journal,* 151(1-3), 2009, 59-65, ISSN 1385-8947.

296. Espinoza-Quinones, F.R., Fornari, M.M.T., Modenes, A.N., Palacio, S.M., Trigueros, D.E.G., Borba, F.H., Kroumov, A.D. Electrocoagulation efficiency of the tannery effluent treatment using aluminium electrodes. *Water Science and Technology,* 60(8), 2009, 2173-2185, ISSN 0273-1223.

297. Vasileva-Tonkova, E., Gousterova, A., Neshev, G. Ecologically safe method for improved feather wastes biodegradation. *Int. Biodeterior. Biodegrad.* 63, 2009, 1008-1012, ISSN 0964-8305

298. Borba, C.E., Silva, E.A.d., Fagundes-Klen, M.R., Kroumov, A.D., Petrova, P., Petrov, K., Beschkov V. Production of 1,3-propanediol from glycerol by newly isolated strains of *Klebsiella pneumoniae*, *Comptes Rendus de l'Academie Bulgare des Sciences*, 62, 2009, 233-242, ISSN 1310-1331

299. Guncheva, M., Zhiryakova, D., Radchenkova, N., Kambourova, M. Properties of immobilized lipase from *Bacillus stearothermophilus* MC7. Acidolysis of triolein with caprylic acid. *World Journal of Microbiology and Biotechnology,* 20, 2009, 332-339, ISSN 0959-3993

300. Kambourova, M., Mandeva, R., Dimova, D., Poli, A., Nicolaus, B., Tommonaro, G. Production and characterization of a microbial glucan, synthesized by *Geobacillus tepidamans* V264 isolated from Bulgarian hot spring. *Carbohydrate Polymers* 77, 2009, 338-343, ISSN 0144-8617

301. Atanasova, N., Kitayska, T., Yankov, D., Safarikova, M., Tonkova, A. Cyclodextrin glucanotransferase production by cell biocatalysts of alkaliphilic bacilli. *Biochemical Engineering Journal* 46, 2009, 278-285, ISSN 1369-703X

302. Pavlova, K., Panchev, I., Kratchanova, M., Gocheva, M. Production of an exopolysaccharide by Antarctic yeast. *Folia Microbiologica*, 54, 2009, 343-348, ISSN: 0015-5632

303. Simova, E., Beshkova, D., Dimitrov, Zh. Characterization and antimicrobial spectrum of bacteriocins produced by lactic acid bacteria isolated from traditional Bulgarian dairy products. *Journal of Applied Microbiology* 106, 2009, 692-701, ISSN: 1364-5072

304. Angelov, M., Kostov, G., Simova, E., Beshkova, D., Koprinkova-Hristova, P. Protocooperation factors in yogurt starter cultures. *Revue de Genie Industriel* 3, 2009, 4-12, ISSN: 1313-8871

305. Frengova, G., Beshkova, D. Carotenoids from *Rhodotorula* and *Phaffia* – yeasts of biotechnological importance. *Journal of Industrial Microbiology and Biotechnology* 36, 2009, 163-180, ISSN: 1367-5435

306. Georgiev, M., Weber, J., Maciuk, A. Bioprocessing of plant cell cultures for mass production of targeted compounds. *Applied Microbiology and Biotechnology*, 83, 2009, 809-823, ISSN: 0175-7598

307. Berkov, S., Pavlov, A., Georgiev, V., Bastida, J., Burrus, M., Ilieva, M., Codina, C. Alkaloid synthesis and accumulation in *Leucojum aestivum in vitro* cultures. *Natural Product Communications,* 4(3), 2009, 359-364, ISSN: 1934-578X.

308. Georgiev, V., Berkov, S., Georgiev, M., Burrus, M., Codina, C., Bastida, J., Ilieva, M., Pavlov, A. Optimized nutrient medium for galanthamine production in *Leucojum aestivum L. in vitro* shoot system. *Zeitscchrift fur Naturforschung*, 64C, 2009, 219-224, ISSN 0939-5075.

309. Yoneva, A., Georgieva, K., Nikolov P.N., Mizinska Y., Georgiev B.B., Stoitsova S.R. Ultrastructure of spermiogenesis and mature spermatozoon of *Triaenorhina rectangula* (Cestoda: Cyclophyllidea: Paruterinidae). *Folia Parasitolia* (Praha). 56, 2009, 275-283, ISSN 0015-5683.

310. Stoimenova, E., Vasileva-Tonkova E., Sotirova A., Galabova D., Lalchev Z. Evaluation of Different Carbon Sources for Growth and Biosurfactant Production by *Pseudomonas fluorescens* Isolated from Wastewaters. *Zeitschrift fur Naturforschung C*, 64, 2009, 96-102, ISSN 0939-5075.

311. Sotirova, A., Spasova, D., Vasileva-Tonkova, E., Galabova, D. Effects of rhamnolipid-biosurfactant on cell surface of *Pseudomonas aeruginosa*. *Microbiological Research*, 164, 2009, 297-303, ISSN: 0944-5013.

312. Tuleva, B., Christova, N., Cohen, R., Antonova, D., Todorov, T., Stoineva, I. Isolation and characterization of trehalose tetraester biosurfactants from a soil strain *Micrococcus luteus* BN56. *Process Biochemistry*, 44, 2009, 135-141, ISSN: 1359-5113

313. Petrov, K., Petrova, P. High production of 2,3-butanediol from glycerol by *Klebsiella pneumoniae* G31, *Applied Microbiology and Biotechnology*, 84, 2009, 659–665, ISSN 0175-7598

314. Lyutskanova, D., Ivanova V., Stoilova-Disheva, V., Kolarova, M., Aleksieva, K., Raykovska, V., Peltekova. Isolation and characterization of a psychrotolerant *Streptomyces* strain from permafrost soil in Spitsbergen, producing phthalic acid ester. *Biotechnology & Biotechnological Equipment*, 23 (2), 2009, 1220-1224, ISSN 1310-2818

315. Georgieva, R., Koleva, P., Nikolova, D., Yankov, D., Danova, S. Growth parameters of probiotic strain *Lactobacillus plantarum*, isolated from traditional white cheese. *Biotechnology & Biotechnological Equipment*, 23 (2), 2009 SE, 861-865 ISSN 1310-2818

316. Yemendzhiev, H., Gerginova, M., Terziyska, A., Alexieva, Z. Biochemical and genetic studies of phenol biodegradation by *Aspergillus awamori* strain. *Comptes Rendus de L'Academie Bulgare des Sciences*, 62, 2009, 1089-1094 ISSN 1310-1331

317. Yemendzhiev, H., Alexieva, Z., Krastanov A. Decolorization of synthetic dye reactive blue 4 by mycelial culture of white-rot fungi *Trametes versicolor* 1. *Biotechnology and Biotechnological Equipment*, 23, 2009**,** 1337-1339 ISSN 1310-2818

318. Georgieva, R., Iliev, I., Haertle, T., Chobert, J.-M., Ivanova, I., Danova, S. Technological properties of candidate probiotic *Lactobacillus plantarum* strains. *International Dairy Journal*, 11, 2009, 696-702 ISSN 0958-6946

319. Ishlimova, D., Urshev, Z., Stoyancheva, G., Petrova, P., Minkova, S., Doumanova, L. Genetic diversity of bacteriophages highly specific for *Streptococcus thermophilus* strain LBB.A. *Biotechnology and Biotechnological Equipment*, 23(3), 2009, ISSN 1310-2818

320. Tsvetanova Z.G., E.J.Hoekstra. A study on assessment of biomass production potential of pipe materials in contact with drinking water, *Water Science & Technology: Water*

Supply, 9(4), 2009, 423–429, ISSN 1606-9749.

321. Georgiev, M., Abrashev, R., Krumova, E., Demirevska, K., Ilieva, M., Angelova, M. Rosmarinic acid and antioxidant enzyme activities in lavandula vera mm cell suspension culture: A comparative study. *Applied Biochemistry and Biotechnology,* 159(2), 2009, 415-425*,* ISSN: 0273-2289

322. Gocheva, Y.G., Tosi, S., Krumova, E.T., Slokoska, L.S., Miteva, J.G., Vassilev, S.V., Angelova, M.B. Temperature downshift induces antioxidant response in fungi isolated from Antarctica, *Extremophiles*, 13(2), 2009, 273-281, ISSN: 1431-0651

323. Kostadinova, N., Krumova, E., Tosi, S., Pashova, S., Angelova, M. Isolation and identification of filamentous fungi from island Livingston, Antarctica. *Biotechnology and Biotechnological Equipment*, 23, 2009, 267-270, ISSN: 1310-2818

324. Krumova, E., Pashova, S., Dolashka, P., Stefanova, Tz., M. Angelova. Biomarkers of oxidative stress in the fungal strain *Humicola lutea* under copper exposure. *Process Biochemistry*, 44, 2009, 288–295, ISSN: 1359-5113.

325. Kussovski, V., Mantareva, V., Angelov, I., Orozova, P., Wöhrle, D., Schnurpfeil, G., Borisova, E., Avramov, L. Photodynamic inactivation ofAeromonas hydrophila by cationic phthalocyanines with different hydrophobicity. *FEMS Microbiology Letters,* 294, 2009, 133–140, ISSN: 0378-1097.

326. Ivanova, A., Mikhova, B., Najdenski, H., Tsvetkova, I., Kostova, I. Chemical composition and antimicrobial activity of wild garlic *Allium ursinum* of Bulgarian origin. *Natural Product Communications*, 8(4), 2009, 1059-1062, ISSN: 1934-578X

327. Mokrousov, I., Valcheva, V., Sovhozova, N., Aldashev, A., Rastogi, N., Isakova, J. Penitentiary population of *Mycobacterium tuberculosis* in Kyrgyzstan: Exceptionally high prevalence of the Beijing genotype and its Russia-specific subtype. *Infection, Genetics and Evolution,* 9(6), 2009, 1400-14005, ISSN: 1567-1348

328. Stankova, I., Chuchkov, K., Shishkov, S., Kostova, K., Mukova, L., Galabov, A.S. Synthesis, antioxidative and antiviral activity of hydroxycinnamic acid amides of thiazole containing amino acid. *Amino Acids*, 37(2), 2009, 383-388, ISSN:0939-4451

329. Ignatova, M., Stoilova, O., Manolova, N., Markova, N., Rashkov, I. Electrospun Mats from Styrene/Maleic Anhydride Copolymers: Modification with Amines and Assessment of Antimicrobial Activity. *Macromolecular Bioscience*, 10, 2010**,** 944-954, ISSN**:** 1616-5187.

330. Muratov, E.N., Artemenko, A.G., Varlamova, E.V., Polischuk, P.G., Lozitsky, V.P., Fedchuk, A.S., Lozitska, R.L., Gridina, T.L., Koroleva, L.S., Silnikov, V.N., Galabov, A.S., Makarov, V.A., Riabova, O.B., Wutzler, P., Schmidtke, M., Kuzmin, V.E. Per aspera ad astra: Application of Simplex QSAR approach in antiviral research (Review). *Future Medicinal Chemistry*, 2(7), 2010, 1205-1226, ISSN:1756-8919

331. Djoumerska-Alexieva, I.K., Dimitrov, J.D., Voynova, E.N., Lacroix-Desmazes, S., Kaveri, S.V., Vassilev, T.L. Exposure of IgG to an acidic environment results in molecular modifications and in enhanced protective activity in sepsis. *FEBS Journal,* 277, 2010, 3039-3050, ISSN 1742-4658

332. Dimitrova, P., Ivanovska, N., Schwaeble, W., Gyurkovska, V., Stover, C. The role of properdin in murine zymosan-induced arthritis. *Molecular Immunology*, 47, 2010, 1458-66. ISSN 0161-5890.

333. Kostova, I., Stefanova, Ts. Synthesis, characterization and cytotoxic/cytostatic activity of La(III) and Dy(III) complexes. *Journal of Trace Elements in Medicine and Biology*, 24, 2010, 7-13, ISSN 0946-672X

334. Pashov, A., Monzavi-Karbassi, B., Raghava, G.P., Kieber-Emmons, T. Bridging innate and adaptive antitumor immunity targeting glycans. *Journal of Biomedicine and Biotechnology,* 2010, 2010, 354068, ISSN 1110-7243

335. Ivanovska, N., Dimitrova, P. Bone resorption and remodeling in murine collagenase-induced osteoarthritis after administration of glucosamine. *Arthritis Research and Therapy*, 2010, 13:R44, ISSN 1478-6354.

336. Petrova, A., Popova, M., Kuzmanova, C., Tsvetkova, I., Naydenski, H., Muli, E., Bankova, V. New biologically active compounds from Kenyan propolis. *Fitoterapia*, 81(6), 2010, 509-514, ISSN: 0367-326X.

337. Trusheva, B., Todorov, I., Ninova, M., Najdenski, H., Daneshmand, A., Bankova, V. Antibacterial mono- and sesquiterpene esters of benzoic acids from Iranian propolis. *Chemistry Central Journal*, 4, 2010, art. No. 8, ISSN: 1752-153X

338. Markova, N., Slavchev, G., Michailova, L., Jourdanova, M. Survival of *Escherichia coli* under lethal heat stress by L-form conversion. *International Journal of Biological Sciences,* 6(4), 2010, 303-315. ISSN: 1449-228.

339. Ignatova, M., Stoilova, O., Manolova, N., Markova, N., Rashkov, I. Electrospun Mats from Styrene/Maleic Anhydride Copolymers: Modification with Amines and Assessment of Antimicrobial Activity. *Macromolecular Bioscience*, 10, 2010, 944-954, ISSN: 1616-5187.

340. Georgiev, M., Alipieva, K., Pashova, S., Denev, P., Angelova**,** M**.,** Kerns, G., Bley, T. Antioxidant activity of devil's claw cell biomass and its active constituents. *Food Chemistry*, 121(4), 2010, 967-972, ISSN: 0308-8146

341. Tosi, S., Kostadinova, N., Krumova, E., Pashova, S., Dishliiska, V., Spassova, B., Vassilev, S., Angelova, M. Antioxidant enzyme activity of filamentous fungi isolated from Livingston Island, maritime Antarctica. *Polar Biol,* 33 (9), 2010, 1227-1237, ISSN: 0722-4060

342. Tsvetanova, Z.G., Hoekstra, E.J. A study on the effect of the surface-to-volume contact ratio on the biomass production potential of the pipe products in contact with drinking water. *Water Science & Technology: Water Supply—WSTWS*, 10 (1), 2010, 105–112, ISSN 1606-9749.

343. Rommelaere, J., Geletneky, K., Angelova, A. L., Daeffler, L., Dinsart, C., Kiprianova, I., Schlehoffer, J.R., Raykov, Z. Oncolytic parvoviruses as cancer therapeutics. *Cytokine and Growth Factor Reviews*, 21, 2010, 185-195, ISSN 1359-6101.

344. Aleksieva, P., Tchorbanov, B., Nacheva, L. High-yield production of alpha-galactosidase excreted from *Penicillium chrysogenum* and *Aspergillus niger*. *Biotechnology & Biotechnological Equipment,* 24(1), 2010, 1620-1623, ISSN 1310-2818

345. Backor, M., Klemova, K., Backorova, M., Ivanova, V. Comparison of the phytotoxic effects of usnic acid on cultures of free-living alga *Scenedesmus quadricauda* and aposymbiotically grown lichen photobiont *Trebouxia erici*. *Journal of Chemical Ecology,* 36(4), 2010, 405-411, ISSN 1573-1561

346. Chernev, G.E., Borisova, B.V., Kabaivanova, L.V., Salvado, I.M. Silica hybrid biomaterials containing gelatin synthesized by sol-gel method. *Central European Journal of Chemistry,* 8(4), 2010, 870-876, ISSN 1644-3624

347. Espinoza-Quinones, F.R., Modenes, A.N., Camera, A.S., Stutz, G., Tirao, G., Palacio, S.M., Kroumov, A.D., (...), Alflen, V.L. Application of high resolution X-ray emission spectroscopy on the study of Cr ion adsorption by activated carbon. *Applied Radiation and Isotopes,* 68(12), 2010, 2208-2213, ISSN 0969-8043.

348. Espinoza-Quinones, F.R., Palacio, S.M., Modenes, A.N., Szymanski, N., Zacarkim, C.E., Zenatti, D.C., Fornari, M.M.T., (...), Kroumov, A.D. Water quality assessment of Toledo River and determination of metal concentrations by using SR-TXRF technique. *Journal of Radioanalytical and Nuclear Chemistr,* 283(2), 2010, 465-470, ISSN 1588-2780.

349. Ivanova, V., Backor, M., Dahse, H.-M., Graefe, U. Molecular structural studies of lichen substances with antimicrobial, antiproliferative, and cytotoxic effects from parmelia subrudecta. *Preparative Biochemistry and Biotechnology,* 40(4), 2010, 377-388, ISSN 1532-2297

350. Modenes, A.N., Espinoza-Quinones, F.R., Palacio, S.M., Kroumov, A.D., Stutz, G., Tirao, G., Camera, A.S. Cr(VI) reduction by activated carbon and non-living macrophytes roots as assessed by Kβ spectroscopy. *Chemical Engineering Journal,* 162(1), 2010, 266-272, ISSN 1385-8947.

351. Trigueros, D.E.G., Modenes, A.N., Kroumov, A.D., Espinoza-Quinones, F.R. Modeling of biodegradation process of BTEX compounds: Kinetic parameters estimation by using Particle Swarm Global Optimizer. *Process Biochemistry,* 45(8), 2010, 1355-1361, ISSN 1359-5113.

352. Tsekova, K., Todorova, D., Dencheva, V., Ganeva, S. Biosorption of copper(II) and cadmium(II) from aqueous solutions by free and immobilized biomass of *Aspergillus niger*. *Bioresource Technology,* 101, 2010, 1727-1731, ISSN 0960-8524

353. Tsekova, K., Todorova, D., Ganeva, S. Removal of heavy metals from industrial wastewater by free and immobilized cells of *Aspergillus niger*. *International Biodeterioration & Biodegradation,* 64(6), 2010, 447 – 451, ISSN 0964-8305

354. Nicolaus, B., Kambourova, M., Oner, E.T. Exopolysaccharides from extremophiles: From fundamentals to biotechnology. *Environmental Technology* 31, 2010, 1145-1158, ISSN 1735-1472

355. Petrova, P., Emanuilova, M., Petrov K. Amylolytic *Lactobacillus* strains from Bulgarian fermented Beverage Boza", *Zeitschrift für Naturforschung* C, 65C (3/4), 2010, 218-224, ISSN 0939-5075

356. Tomova, I., Stoilova-Disheva, M., Lyutskanova, D., Pascual, J., Petrov, P., Kambourova, M. Phylogenetic analysis of the bacterial community in a geothermal spring, Rupi Basin, Bulgaria. *World Journal of Microbiology and Biotechnology,* 26, 2010, 2019-2028, ISSN 0959-3993.

357. Atanassov, I., Dimitrova, D., Stefanova, K., Tomova, A., Tomova, I., Lyutskanova, D., Stoilova-Disheva, M., Radeva, G., Danova, I., Kambourova, M. Molecular characterization of the archaeal diversity in Vlasa hot spring, Bulgaria, by using 16S rRNA and glycoside hydrolase family 4 genes. *Biotechnology and Biotechnological Equipment,* 24, 2010, 1979-1985, ISSN 1310-2818.

358. Avramova, T., Spassova, D., Mutafov, S., Momchilova, S., Boyadjieva, L., Damyanova, B., Angelova, B. Effect of Tween 80 on 9*a*-steroid hydroxylating activity and ultrastructural characteristics of *Rhodococcus* sp. cells. *World Journal of Microbiology and Biotechnology,* 26, 2010, 1009-1014, ISSN 0959-3993

359. Gesheva, V, Stackebrandt, E, Vasileva-Tonkova, E. Biosurfactant Production by Halotolerant *Rhodococcus fascians* from Casey Station, Wilkes Land, Antarctica. *Current Microbiology*, 61, 2010, 112-117, ISSN 0343-8651

360. Tishinov, K., Christov, P., Neshev, G., Nustorova, M., Paskaleva, D., Vasileva-Tonkova, E., Gousterova, A., Nedkov, P. Investigation of the possibility for enzymatic utilization of chicken bones. *Biotechnology and Biotechnological Equipment*, 24, 2010, 2108-2111, ISSN 1310-2818

361. Zlatanov, M., Pavlova, K., Antova, G., Angelova-Romova, M., Georgieva, K., Rousenova-Videva, S. Biomass production by Antarctic yeast strains: An investigation of the lipid composition. *Biotechnology and Biotechnological Equipment,* 24, 2010, 2096-2101.

362. Poli, A., Anzekmo, G., Tommonaro, G., Pavlova, K., Casaburi, A., Nicolaus, B. Production and chemical characterization of an exopolysaccharide synthesized by psychrophilic yeast strain *Sporobolomyces salmonicolor* AL1 isolated from Livingston Island, Antarctica. *Folia Microbiology,* 55, 2010, 576–581

363. Berkov, S., Pavlov, A., Georgiev, V., Weber, J., Bley, T., Viladomat, F., Bastida, J., Codina, C. Changes in apolar metabolites during in vitro organogenesis of *Pancratium maritimum*. *Plant Physiology and Biochemistry*, 48(10-11), 2010, 827-835, ISSN: 0981-9428.

364. Georgiev, V., Weber, J., Kneschke, E., Denev, P., Bley, T., Pavlov, A. Antioxidant activity and phenolic content of betalain extracts from intact plants and hairy root cultures of the red beetroot *Beta vulgaris* cv. Detroit Dark Red. *Plant Foods for Human Nutrition*, 65, 2010, 105–111, ISSN: 0921-9668.

365. Weber, J., Georgiev, V., Haas, C., Bley, T., Pavlov, A. Ploidy levels in *Beta vulgaris* (red beet) plant organs and *in vitro* systems. *Engineering in Life Sciences*, 10(2), 2010, 139 – 147, ISSN: 1618-2863.

366. Georgiev, M., Georgiev, V., Penchev, P., Antonova, D., Pavlov, A., Ilieva, M., Popov, S. Volatile metabolic profiles of cell suspension cultures of *Lavandula vera*, *Nicotiana tabacum* and *Helianthus annuus*, cultivated under different regimes. *Engineering in Life Sciences*, 10(2), 2010, 148 – 157, ISSN: 1618-2863.

367. Kratchanova, M., Nikolova, M., Pavlova, E., Yanakieva, I., Kussovski, V. Composition and properties of biologically active pectic polysaccharides from leek (*Allium porrum*). *Journal of the Science of Food and Agriculture,* 90 (2010), 12, 2046-2051, ISSN:1097-0010

368. Gyurkovska V., Alipieva, K., Maciuk, A., Dimitrova, P., Ivanovska, N., Haas, C., et al. Anti-inflamma,tory activity of Devil's claw in vitro systems and their active constituents. *Food Chemistry*, 125, 2011, 171-178. ISSN 0308-8146. ()

369. Kaloyanova, S., Ivanova, I., Tchorbanov, A., Dimitrova, P., Deligeorgiev, T. Synthesis of chloro-substituted analogs of Thiazole orange - Fluorophores for flow cytometric

analyses. *Journal of Photochemistry and Photobiology B: Biology*, 103, 2011, 215-221. ISSN 1011-1344.

370. Dimitrova, P., Vassilev, T., Shivarov, V. Inhibition or overactivation of AICDA to eliminate pathologic B cell clones? Comment on the article by Hsu et al. *Arthritis and Rheumatism*, 63, 2011, 3174-3175. ISSN 0004-3591

371. Pashov, A., Monzavi-Karbass, B., Kieber-Emmons, T. Glycan mediated immune responses to tumor cells. *Human Vaccin,* 7, 2011, 156. ISSN 1554-8600

372. Gesheva, V, Idakieva, K, Kerekov, N, Nikolova, K, Mihaylova, N, Doumanova, L, Tchorbanov, A. Marine gastropod hemocyanins as adjuvants of non-conjugated bacterial and viral proteins. *Fish and Shellfish Immunology,* 30, 2011, 135-42. ISSN: 1050-4648

373. Dimova, T., Nagaeva, O., Stenqvist, A.C., Hedlund, M., Kjellberg, L., Strand, M., Dehlin, E., Mincheva-Nilsson, L. Maternal Foxp3 expressing CD4+ CD25+ and CD4+ CD25 regulatory T-cell populations are enriched in human early normal pregnancy decidua: a phenotypic study of paired decidual and peripheral blood samples. *American Journal of Reproductive Immunology* 66 (1), 2011, 44–56, ISSN:1600-0897.

374. Moens, E., Brower, M., Dimova, T., Goldman, M., Willems, F., Vermijlen, D. IL-23R and TCR signaling drives the generation of neonatal Vγ9Vδ2 T cells expressing high levels of cytotoxic mediators and producing IFN-γ and IL-17. *Journal of Leukocyte Biology,* 80, 2011, 1-10, ISSN: 07415400.

375. Trusheva, B., Popova, M., Koendhori, EB., Tsvetkova, I., Naydenski, C., Bankova, V. Indonesian propolis: Chemical composition, biological activity and botanical origin. *Natural Product Research*, 25(6), 2011, 606-613, ISSN: 1478-6419.

376. Konakchiev, A., Todorova, M., Mikhova, B., Vitkova, A., Najdenski, H. Composition and antimicrobial activity of *Achillea distans* essential oil. *Natural Product Communications*, 6(6), 2011, 905-906, ISSN: 1934-578X.

377. Popova, M., Trusheva, B., Antonova, D., Cutajar, S., Mifsud, D., Farrugia, C., Tsvetkova, I., (...), Bankova, V. The specific chemical profile of Mediterranean propolis from Malta. *Food Chemistry*, 3, 126, 2011, 1431-1435, ISSN: 0308-8146.

378. Mantareva, V., Angelov, I., Kussovski, V., Dimitrov, R., Lapok, L., Wöhrle, D. Photodynamic efficacy of water-soluble Si(IV) and Ge(IV) phthalocyanines towards *Candida albicans* planktonic and biofilm cultures. *European Journal of Medicinal Chemistry,* 46*,* 2011, 4430-4440, ISSN 0223-5234

379. Mantareva, V., Kussovski V., Angelov, I., Wöhrle, D., Dimitrov, R., Popova, E., Dimitrov, S. Non-aggregated Ga(III)-phthalocyanines in the photodynamic inactivation of planktonic and biofilm cultures of pathogenic microorganisms. *Photochemical & Photobiological Sciences,* 10, 2011, 91-102, ISSN: 1474-905X

380. Mantareva, V., Angelov, I., Wöhrle, D., Dogandjiska, V., Dimitrov, R., Kussovski, V., In: Laser Physics and Applications, (eds.) T. Dreischuh, D. Slavov, *Laser Physics and Applications, Proc. SPIE*, *7747* (2011) 774712-9. ISSN: 0277-786X.

381. Grekova, S.P., Aprahamian, M., Daeffler, L., Leuchs, B., Angelova, A., Giese, T., Galabov, A. S., Heller, A., Giese, N.A., Rommelaere, J., Raykov, Z. Interferon gamma improves the vaccination potential of oncolytic parvovirus H-1PV fort he treatment of peritoneal carcinomatosis in pancreatic cancer. *Cancer Biology and Therapy*, 12, 2011, 888-895, ISSN 1538-4047

382. Vilhelmova, N., Jacquet, R., Quideau, S., Stoyanova, A., Galabov, A.S. Three-dimensional analysis of combination effect of ellagitannins and acyclovir on herpes simplex virus types 1 and 2. *Antiviral Research*, 89, 2011, 174-181. ISSN 0166-3542.

383. Chernev, G., Rangelova, N., Djambazki, P., Nenkova, S., Salvado, I., Fernandes, M., Wu, A., Kabaivanova, L. Sol-gel silica hybrid biomaterials for application in biodegradation of toxic compounds. *Journal of Sol-Gel Science and Technology,* 58(3), 2011, 619-624, ISSN 1573-4846

384. Gousterova, A., Nustorova, M., Paskaleva, D., Naydenov, M., Neshev, G., Vasileva-Tonkova, E. Assessment of feather hydrolysate from thermophilic actinomycetes for soil amendment and biological control application. *International Journal of Environmental Research,* 5, 2011, 1065-1070, ISSN 1735-6865

385. Kabaivanova, L.V., Chernev, G.E., Miranda Salvado, I.M., Fernandes, M.H.V. Silica-carrageenan hybrids used for cell immobilization realizing high-temperature degradation of nitrile substrates. *Central European Journal of Chemistry,* 9(2), 2011, 232-239, ISSN 1644-3624

386. Kitayska, T., Petrova, P., Ivanova, V., Tonkova, A.I. Purification and properties of a new thermostable cyclodextrin glucanotransferase from *Bacillus pseudalcaliphilus* 8SB. *Applied Biochemistry and Biotechnology* 165, 2011, 1285-1295, ISSN 0273-2289

387. Atanasova, N., Kitayska, T., Bojadjieva, I., Yankov, D., Tonkova, A. A novel cyclodextrin glucanotransferase from alkaliphilic *Bacillus pseudalcaliphilus* 20RF: Purification and properties. *Process Biochemistry* 46, 2011, 116-122, ISSN 1359-5113

388. Velinov, T, Asenovska, Y, Marinkova, D, Yotova, L, Stoitsova, S, Bivolarska, M, Stavitskaya, L. Total internal reflection imaging of microorganism adhesion using an oil immersion objective. *Colloids and Surfaces B: Biointerfaces*. 88, 2011, 407-412, ISSN 09277765.

389. Vasileva-Tonkova, E., Sotirova, A., Galabova, D. The effect of rhamnolipid biosurfactant produced by *Pseudomonas fluorescens* on model bacterial strains and isolates from industrial wastewater, *Current Micrrobiology*, 62, 2011, 427-433, ISSN: 0343-8651

390. Eneva, R., Engibarov, S., Strateva, T., Abrashev, R., Abrashev, I. Biochemical Studies on the Production of Neuraminidase by Environmental Isolates of *Vibrio cholerae* non-O1 from Bulgaria. *Canadian Journal of Microbiology,* 57, 2011, 606-610, ISSN: 0008-4166

391. Péter, G., Dlauchy, D., Tornai-Lehoczki, J., Gouliamova, D., Kurtzman, C.P. *Ogataea saltuana* sp. nov., a novel methanol-assimilating yeast species. *Antonie Van Leeuwenhoek,* 100, 2011, 375-383, ISSN 0003-6072

392. Ivanova, I., Atanassov, I., Lyutskanova, D., Stoilova-Disheva, M., Dimitrova, D., Tomova, I., Derekova, A., Radeva, G., Buchvarova, V., Kambourova, M. High Archaea diversity in Varvara hot spring, Bulgaria. *Journal of Basic Microbiology* 51, 2011, 163–172, ISSN 0233-111X.

393. Pavlova, K., Rusinova-Videva, S., Kuncheva, M., Kratchanova, M., Gocheva, M., Dimitrova, S. Synthesis and characterization of the exopolysaccharide by Antarctic yeast strain *Cryptococcus laurentii* $AL_{100.}$ *Appiedl Biochemistry and Biotechnology,* 163, 2011, 1038-1052, ISSN: 0273-2289.

394. Georgiev, M., Ludwig-Mueller, J., Alipieva, K., Lippert, A. Sonication-assisted *Agrobacterium rhizogenes*-mediated transformation of *Verbascum xanthophoeniceum*

Griseb. for bioactive metabolite accumulation. *Plant Cell Reports*, 30, 2011, 859-866, ISSN: 0721-7714.

395. Gyurkovska, V., Alipieva, K., Maciuk, A., Dimitrova, P., Ivanovska, N., Haas, C., Bley, Th., Georgiev, M.) Anti-inflammatory activity of devil's claw *in vitro* systems and their active constituents. *Food Chemistry*, 125, 2011, 171-178, ISSN: 0308-8146

396. Georgiev, M., Ali, K., Alipieva, K., Verpoorte, R., Choi, Y.H. Metabolic differentiations and classification of *Verbascum* species by NMR-based metabolomics. *Phytochemistry*, 72, 2011, 2045-2051, ISSN: 0031-9422.

397. Georgiev, M., Alipieva, K., Orhan, I., Abrashev, R., Denev, P., Angelova, M. Antioxidant and cholinesterases inhibitory activities of *Verbascum xanthophoeniceum* Griseb. and its phenylethanoid glycosides. *Food Chemistry*, 128, 2011, 100-105, ISSN: 0308-8146.

398. Ivanov, I., Georgiev, V., Georgiev, M., Ilieva, M., Pavlov, A. Galanthamine and related alkaloids production by *Leucojum aestivum* L. shoot culture using a temporary immersion technology. *Applied Biochemistry and Biotechnology*, 163(2), 2011, 268-277, ISSN: 0273-2289.

399. Marchev, A., Georgiev, V., Ivanov, I., Badjakov, I., Pavlov, A. Two-phase temporary immersion system for *Agrobacterium rhizogenes* genetic transformation of sage (*Salvia tomentosa* Mill.). Biotechnology Letters, 33(9), 2011, 1873-1878, ISSN: 0141-5492.

400. Georgiev, V., Ivanov, I., Berkov, S., Pavlov, A. Alkaloids biosynthesis by *Pancratium maritimum* L. shoots in liquid culture. *Acta Physiologiae Plantarum*, 33(3), 2011, 927-933, ISSN: 0137-5881.

401. Simeonov, I.S., Kalchev, B.L., Christov, N.D. Parameter and state estimation of an anaerobic digestion model in laboratory and pilot-scale conditions. *IFAC Proceedings Volumes (IFAC-PapersOnline)* 18 (PART 1), 2011, 6224-6229, ISBN 978-390266193-7.

402. Wang, H.P., Kalchev, B., Tian, Y., Simeonov, I., Christov, N., Vasseur, C. Composed Adaptive Control for a second-order nonlinear model of a biotechnological process. *2011 19th Mediterranean Conference on Control and Automation, MED 2011*, 2011, art. no. 5983138, 1140-1143, ISBN 978-145770125-2.

403. Kalchev, B., Christov, N., Simeonov, I. Output-feedback H control for a second-order nonlinear model of a biotechnological process. *Comptes Rendus de L'Academie Bulgare des Sciences*, 64 (1), 2011, 125-132, ISSN 1310-1331.

404. Simeonov, I., Stoyanov, S. Modelling and Extremum Seeking Control of a Cascade of Two Anaerobic Bioreactors. *International Journal Bioautomation* 15 (1), 2011, 13-24, ISSN 1314-1902.

405. Krumova, E., Pashova, S., Dolashka-Angelova, P., Angelova M. Adaptive response of *Humicola lutea* to copper exposure. *Biotechnology & Biotechnological Equipment*, 25(4), 2011, 64-71, ISSN: 1310-2818

406. Dimitrova, P., Ivanovska, N., Belenska, L., Milanova, V., Schwaeble, W., Stover, C. Abrogated RANKL expression in properdin-deficient mice is associated with better outcome from collagen-antibody-induced arthritis. *Arthritis Research and Therapy*, 2012, 14. ISSN 1478-6354.

407. Dimitrova, P., Kostadinova, E., Milanova, V., Alipieva, K., Georgiev, M., Ivanovska, N. Antiinflammatory properties of extracts and compounds isolated from verbascum xanthophoeniceum griseb. *Phytotherapy Research*, 26, 2012, 1681-1687. ISSN 0951-418X.

408. Dimitrov, J.D., Pashov, A., Vassilev, T. in *Naturally Occurring Antibodies (NAbs)*, edited by H. U. Lutz (Springer, Austin, TX, 2012), Vol. 1, p. 268. ISBN 978-1-4614-3460-3

409. Istatkova, R., Nikolaeva-Glomb, L., Galabov, A. S., Yadamsurenghiin, G., Samdan, J., Danga, S., Philipov, S. Chemical and antiviral study on alkaloids from *Papaver pseudocanescens* M. Pop. *Zeitschrift fur Naturforschung,* 67c*,* 2012, 22-28, ISSN 0939-5075.

410. Řezanka, T., Kambourova, M., Derekova, A., Kolouchová, I., Sigler, K. LC-ESI-MS/MS identification of polar lipids of two thermophilic *Anoxybacillus* bacteria containing a unique lipid pattern**.** *Lipids* 47, 2012, 729-739, ISSN 0024-4201

411. Fregolino, E, Ivanova, R, Lanzetta, R, Molinaro, A, Parrilli, M, Paunova-Krasteva, T, Stoitsova, SR, De Castro, C. Occurrence and structure of cyclic Enterobacterial Common Antigen in Escherichia coli O157:H(-). *Carbohydrate Research*, 363, 2012, 29-32, ISSN 0008-6215.

412. Ivanova, I., Tonkova, A., Petrov, K., Petrova, P., Gencheva, P. Covalent attachment of cyclodextrin glucanotransferase from genetically modified *Escherichia coli* on surface functionalized silica coated carriers and magnetic particles, *Journal of BioScience and Biotechnology*, 1(SE), 2012, 7-13, ISSN 1314-6246

413. Sotirova, A., Avramova T., Stoitsova S., Lazarkevich I., Lubenets V., Karpenko E., Galabova D. The importance of rhamnolipid- biosurfactant induced changes in bacterial membrane lipids of *Bacillus subtilis* for the antimicrobial activity of thiosulfonates, *Current Microbiology,* 65, 2012, 534-541, ISSN: 0343-8651

414. Beshkova, D. , Frengova, G. Bacteriocins from lactic acid bacteria: microorganisms of potential biotechnological importance for dairy industry. *Engineering in Life Science* 12, 2012, 419-432, ISSN: 1618-0240

415. Georgiev, M. Coming back to nature: plants as a vital source of pharmaceutically important metabolites. *Current Medicinal Chemistry* 19(14), 2012, 2059-2060, ISSN:0929-8673

416. Georgiev, M., Agostini, E., Ludwig-Mueller, J., Xu, J. Genetically transformed roots: from plant disease to biotechnological resource. *Trends in Biotechnology*, 30(10), 2012, 528-537, ISSN:2320-0421

417. Georgiev, M., Alipieva, K., Orhan, I. Cholinesterases inhibitory and antioxidant activities of *Harpagophytum procumbens in vitro* systems. *Phytotherapy Research*, 36, 2012, 313-316, ISSN: 0951-418X

418. Georgiev, M., Pastore, S., Lulli, D., Alipieva, K., Kostyuk, V., Potapovich, A., Panetta, M., Korkina, L. *Verbascum xanthophoeniceum*–derived phenylethanoid glycosides are potent inhibitors of inflammatory chemokines in dormant and interferon-gamma-stimulated human keratinocytes. *Journal of Ethnopharmacology*, 144, 2012, 754-760, ISSN: 0378-8741.

419. Ivanov, I., Georgiev, V., Berkov, S., Pavlov, A. Alkaloid patterns in *Leucojum aestivum* shoot culture cultivated at temporary immersion conditions. *Journal of Plant Physiology*, 169, 2012, 206-211, ISSN: 0176-1617.

420. Georgiev, V., Bley, T. Pavlov, A. Bioreactors for the cultivation of red beet hairy roots. In: Red Beet Biotechnology, (Neelwarne B. Ed.). *Springer, New York*, USA. 2012, 251-281, ISBN 978-1-4614-3457-3.

421. Georgiev, V., Ivanov, I., Berkov, S., Ilieva, M., Georgiev, M., Gocheva, T., Pavlov, A. Galanthamine production by *Leucojum aestivum* L. shoot culture in a modified bubble column bioreactor with internal sections. *Engineering in Life Sciences*, 12(5), 2012, 534-543, ISSN: 1618-2863.

422. Tsvetanova, Z.G, Hoekstr,a E.J. Assessment of microbial growth potential of PVC flexible tubing in contact with drinking water. *Water Science & Technology: Water Supply,* 12.4, 2012, 489-495, ISSN 1606-9749.

423. Ignatova, M., Petkova, Z., Manolova, N., Markova N., Rashkov, I. Non-woven fibrous materials with antibacterial properties prepared by tailored attachment of quaternized chitosan to electrospun mats from maleic anhydride copolymer. *Macromolecular Bioscience*, 2012**,** 12:104-15. ISSN: 1616-5195.

424. Markova, N., Slavchev, G., Michailova, L**.** Unique biological properties of Mycobacterium tuberculosis L-form variants: impact for survival under stress. *International Microbiology,* 15, 2012, 61-68, ISSN:1139-6709

425. Karachanak, S., Carossa, V., Nesheva, D., Olivieri, A., Pala, M., Kashani, B.H., Grugni, V., Battaglia, V., Achilli, A., Yordanov, Y., Galabov, A.S., Semino, O., Toncheva, D., Torroni, A.Bulgarians vs the other European populations: A mitochondrial DNA perspective, *International Journal of Legal Medicine*, 126(4), 2012, 497-503, ISSN:0937-9827.

426. Simeonova, L., Gegova, G., Galabov, A.S. Prophylactic and therapeutic combination effects of rimantadine and oseltamivir against influenza virus A (H3N2) infection in mice *Antiviral Research*, 2012, 95(2), 172-181, ISSN:0166-3542,

427. Karachanak, S., Grugni, V., Fornarino, S., Nesheva, D., Al-Zahery, N., Battaglia, V., Carossa, V., Yordanov, Y., Torroni, A., Galabov, A.S., Toncheva, D. , Semino, O. Y-Chromosome Diversity in Modern Bulgarians: New Clues about Their Ancestry. *PLoS ONE*, 2013, 8(3), Article number e56779, ISSN:1932-6203

428. Dimitrova, P., Georgiev, M.I., Khan, M.T.H., Ivanovska, N. Evaluation of *Verbascum* species and harpagoside in models of acute and chronic inflammation. *Central European Journal of Biology*, 8, 2013, 186-194. ISSN 1895-104X.

429. Djoumerska-Alexieva, I., Pashova, S., Vassilev, T., Pashov ,A. The protective effect of modified intravenous immunoglobulin in LPS sepsis model is associated with an increased IRA B cells response. *Autoimmunity Reviews,* 12, 2013, 653–656. ISSN 1568-9972

430. Shivarov, V., Dimitrova, P., Vassilev, T. Complex downstream effects of nuclear export inhibition in B-cell lymphomas: A possible role for activation-induced cytidine deaminase (AID). *Haematologica,* 98, 2013, 111-113. ISSN 0390-6078.

431. Gacheva, G., Gigova, L., Ivanova, N., Iliev, I., Toshkova, R., Gardeva, E., Kussovski, V., Najdenski, H. Suboptimal growth temperatures enhance the biological activity of cultured

cyanobacterium *Gloeocapsa sp*. *Journal of Applied Phycology*, 1, 25, 2013, 183-194, ISSN: 0921-8971.

432. Najdenski, H., Golkocheva, E., Vesselinova, A., Bengoechea, J.A., Skurnik, M. Proper expression of the O-antigen of lipopolysaccharide is essential for the virulence of *Yersinia enterocolitica* O:8 in experimental oral infection of rabbits. *FEMS Immunology and Medical Microbiology*, 38(2), 2013, 97-106, ISSN: 0928-8244.

433. Najdenski, H., Gigova, L.. Iliev, I., Pilarski, P., Lukavsky, J., Tsvetkova, I., Ninova, M., Kussovski, V. Antibacterial and antifungal activities of selected microalgae and cyanobacteria. *International Journal of Food Science and Technology*, 48, 2013, 7, 1533-1540, ISSN: 0950-5423.

434. Dikova, B., Petrov, N., Djourmanski, A., Lambev, H. First report of Tomato spotted wilt virus on a new host *Leuzea carthamoides* in Bulgaria and the World. *Plant Disease* 97, 2013, 1258-1258. ISSN 0191-2917.

435. Dimitrova, P., Georgiev, M.I., Khan, M.T.H., Ivanovska, N. Evaluation of *Verbascum* species and harpagoside in models of acute and chronic inflammation. *Central European Journal of Biology*, 8, 2013, 186-194, **ISSN**: 1895-104X.

436. Georgiev, M.I., Eibl, R., Zhong, J.J. Hosting the plant cells *in vitro*: recent trends in bioreactors. *Applied Microbiology and Biotechnology*, 97, 2013, 3787-3800, ISSN: 0175-7598.

437. Georgiev, M.I., Ivanovska, N., Alipieva, K., Dimitrova, P., Verpoorte, R. Harpagoside: from Kalahari Desert to pharmacy shelf. *Phytochemistry*, 92, 2013, 8-15, ISSN: 0031-9422

438. Steingroewer, J., Bley, T., Georgiev, V., Ivanov, I., Lenk, F., Marchev, A., Pavlo, A. Bioprocessing of differentiated plant in vitro systems. *Engineering in Life Sciences,* 13(1), 2013, 36-38, ISSN: 1618-2863.

439. Petrova, P., Petrov, K., Stoyancheva, G. Starch-modifying enzymes of lactic acid bacteria – structures, properties, and applications. *Starch-Starke*, 65 (1/2), 2013, 34-47, ISSN 0038-9056

440. Ivanova, V., Laatsch, H., Kolarova, M., Aleksieva, K. Structure elucidation of a new natural diketopiperazine from a *Microbispora aerata* strain isolated from Livingston Island, Antarctica. *Natural Product Research*, 27(2), 2013, 64-170, ISSN 1478-6427

441. Serafimovska, J.M., Arpadjan, S., Stafilov, T., Tsekova, K. Study on the antimony species distribution in industrially contaminated soils. *Journal of Soils Sediments,* 13(2), 2013, 294-303, ISSN 1614-7480

442. Krastanov, A., Alexieva, Z., Yemendzhiev, H. Microbial degradation of phenol and phenolic derivatives. *Engineering in Life Sciences*, 13, 2013, 76-87 ISSN 1618-2863

13. СПИСЪК НА ЦИТИРАЩИТЕ ЛИТЕРАТУРНИ ИЗТОЧНИЦИ

1. Pourshamsian, Kh., Montazeri, N., Banihashemi, S.M., Razikazeni, S. Novel synthesis of 3-(substituted phenyl)-2-[(substituted benzoyl)imino]-1,3-thiazolidine-4-one derivatives from substituted thiourea. *Asian Journal of Chemistry*, **25**(1), 2013, 577-578, ISSN 0970-7077 **(1)**
2. Squarcialupi, L., Colotta, V., Catarzi, D., Varano, F., Filacchioni, G., Varani, K., Corciulo, C., Vincenzi, F., Borea, P.A., Ghelardini, C., Di Cesare Mannelli, L., Ciancetta, A., Moro, S. 2-Arylpyrazolo[4,3-d]pyrimidin-7-amino derivatives as new potent and selective human A3 adenosine receptor antagonists. Molecular modeling studies and pharmacological evaluation. *Journal of Medicinal Chemistry*, **56(6)**, 2013, 2256-2269, ISSN 0022-2623 **(1)**
3. Vartale, S.P., Sirsat, S.B., Halikar, N.K. Simple and efficient synthesis of substituted pyrimido[2,1-b][1,3]thiazines. *Heterocyclic Communications*, **19(3)**, 2013, 215-218, ISSN 0793-0283 **(1)**
4. Dawood, K.M., Mohamed, A.A., Alsenoussi, M.A., Ibrahim, I.H. Synthesis and quantum calculations of 1,3-thiazoles and 1,3,4-thiadiazole derivatives via pyridinylthioureas. *Journal of Sulfur Chemistry*, **34(4),** 2013, 383-394, ISSN 1741-5993 **(1)**
5. Swargiary A., Roy B., Ronghang B. Partial characterisation of alkaline phosphatase in *Fasciolopsis buski* – an intestinal fluke treated with crude extracts of *Alpinia nigra* (Zingiberaceae*). J. Pharmaceut. Technol. Drug Res.* 2013, doi: 10.7243/2050-120X-2-5, ISSN 2050-120X **(2)**
6. Koreaki I, Shinobu C. Arrest peptides: *Cis*-Acting modulators of translation. *Annual Review of Biochemistry*, **82,** 2013, 171-202, ISSN 0066-4154 **(3)**
7. Dziedzic A., Kubina R., Wojtyczka R.D., Kabała-Dzik A., Tanasiewicz M.The antibacterial effect of ethanol extract of Polish propolis on mutans Streptococci and Lactobacilli isolated from saliva. *Evidence-Based Complementary and Alternative Medicine,* 2013, article ID 681891, ISSN 1741-427X **(4)**
8. Sani G., Mohammadi M.L., Sendi J. et al. Extract and leaf powder effect of Artemisia annua on performance, cellular and humoral immunity in broilers. *Iranian Journal of Veterinary Research*, **14**, 2013, 15-20, ISSN 1728-1997 **(4)**
9. Cova J.A. In: A legacy of stingless bees. Vit P. et al. (eds). Immunological Properties of Bee Products. - Pot-Honey, 2013 – Springer, 513-541 **(4)**
10. Yalfani R., Khosravi A., Pirouz B. Evaluation of the antifungal activity of Iranian propolis against Candida albicans. *African Journal of Microbiology Research,*. **7,** 2013, 4457-4464, ISSN 1996-0808 **(4)**
11. Zhu S., Pan J., Zhao B., Liang J., Ze-yu W., Yang J. Comparisons on enhancing the immunity of fresh and dry Cordyceps militaris in vivo and in vitro. *Journal of Ethnopharmacology*, **149**, 2013, 713-719. ISSN 0378-8741 **(5)**
12. Saleh O.M., Soliman M.M., Mansour A.A-K., Abdel-Hamid O.M.. Protective effects of propolis on gamma-irradiated Nigela sativa extract induced blood and immune changes in Wistar rats. *American Journal of Biochemistry and Biotechnology*, **9**, 2013, 162-171. ISSN 1553-3468 **(5)**

13. Cova J.A. In: A legacy of stingless bees. Vit P. et al. (eds). Immunological Properties of Bee Products. - Pot-Honey, 2013 – Springer, 513-541 **(5)**

14. Karakurt S., Semiz A., Celik G., Gencler-Ozkan A.M., Sen A., Adali O. Epilobium hirsutum alters xenobiotic metabolizing CYP1A1, CYP2E1, NQO1 and GPx activities, mRNA and protein levels in rats. *Pharm. Biol*. **51,** 2013, 650-658, ISSN 1388-0209 **(6)**

15. Dixit P.K., Mittal S. Anti-inflammatory agents of herbal origin: An overview. *Int. J. Res. Pharm. Sci.*, **4,** 2013, 295-302q ISSN 0975-7538 **(6)**

16. Yang Y.-C., Yang Z.W., Zhang Z.-H., Li J., Zu Y.-G., Fu Y.-J. Effect of acid hydrolysis in the microwave-assisted extraction of phenolic compounds from Geranium sibiricum Linne with the guidance of antibacterial activity. *Journal of Medicinal Plants Research*, **7,** 2013, 819-830, ISSN 1819-3455 **(6)**

17. Ankner JF, Heller WT, Herwig KW, Meilleur F, Myles DAA. Neutron Scattering Techniques and Applications in Structural Biology. 2013. *Current Protocols in Protein Sci.*, DOI: 10.1002/0471140864.ps1716s72, **ISBN** 9780471140863 **(7)**

18. Alariya SS, Sethi S, Gupta S, Gupta BL. Amylase activity of a starch degrading bacteria isolated from soil. *Arch. Appl. Sci. Res.,* **5(1),** 2013, 15-24, ISSN 0975-508X **(8)**

19. Talekar S, Joshi A, Joshi G, Kamat P, Haripurkar R, Kambale S. Parameters in preparation and characterization of cross linked enzyme aggregates (CLEAs). *RSC Adv.***, 3(31)**, 2013, 12485-12511, ISSN 2046-2069 **(9)**

20. Ma Z, Liu J, Lin X, Shentu X, Bian Y, Yu X. Formation, regeneration, and transformation of protoplasts of Streptomyces diastatochromogenes 1628. *Folia microbiologica,* 2013, Print ISSN 0015-5632, Online ISSN 1874-9356 **(10)**

21. Shi J., Cheng C., Zhao H., Jing J., Gong N., Lu W. In vivo anti-radiation activities of the *Ulva pertusa* polysaccharides and polysaccharide-iron(III) complex. *Int. J. Biol. Macromolecul.* **60**, 2013, 341-346, ISSN 0141-8130 **(11)**

22. Mohamed S.F., Agili F.A. Antiviral sulphated polysaccharide from brown algae *Padina pavonia* characterization and structure elucidation. *Int. J. ChemTech Res.* **5(4)**, 2013, 1469-1476, ISSN 0974-4290 **(11)**

23. Nanda A, Sudhakar T, Nayak BK, Kumar JP. Synthesis of thermostable amylase enzyme from bacillus licheniformis and it's optimization to different sources. *Mater. Sci. Forum*, **760,** 2013, 73-78, ISSN 1662-9752 **(12)**

24. Schneider T., Graeff-Honninger S., French W.T., Hernandez R., Merkt N., Claupein W., Hetrick M., Pham P. Lipid and carotenoid production by oleaginous red yeast *Rhododorula glutinis* cultivated on brewery elluents. *Energy* **61**, 2013, 34-43, ISSN 0360-5442 **(13)**

25. Luo H., Niu Y., Duan C., Su H., Yan G. A ph control strategy for increased β-carotene production during batch fermentation by recombinant industrial wine yeast. *Process Biochemistry* **48**, 2013, 195-200, ISSN 1359-5113 **(13)**

26. Schneider T., Rempp T., Graeff-Honingen S., French WT., Hernandez R., Claupein, W. Utilization of soluble starch by oleaginous red yeast *Rhodotorula glutinis. Journal of Sustainable Bioenergy Systems* **3**, 2013, 57-63, ISSN 2165-400X **(13)**

27. Keceli TM., Erginkaya Z., Turkkan E., Kaya U. Antioxidant and antibacterial effects of carotenoids extracted from *Rhodotorula glutinis* strains. *Asian Journal of Chemistry* **25**, 2013, 42-46, ISSN 0970-7077 **(13)**

28. Cutzu R., Coi A., Rosso F., Bardi L., Ciani M., Budroni M., Zara G., Zara S., Mannazzu I. From crude glycerol to carotenoids by using a *Rhodotorula glutinis* mutant. *World Journal of Microbiology and Biotechnology* **29**, 2013, 1009-1017, ISSN 0959-3993 **(13)**

29. Braunwald T., Schwemmlein L., Graeff-Honninger S., French W.T., Hernandez R., Holmes W.E., Claupein W. Effect of different C/N ratios on carotenoid and lipid production by *Rhodotorula glutinis. Applied Microbiology and Biotechnology* 2013, DOI: 10.1007/s00253-013-5005-8, ISSN 0175-7598 **(13)**

30. Naghavi F.S., Hanachi P., Soudi M.R., Saboora A., Gorbani A. Evaluation of the relationship between the incubation time and carotenoid production in *Rhodotorula slooffiae* and *R. mucilaginosa* isolated from Leather Tanning wasterwater. *Iranian Journal of Basic Medical Sciences* 16, 2013, 1114-1118, ISSN 2008-3866 **(13)**

31. Pan Y., Wang W.J., Tian H.J., Li S.H., Zhu Z. Optimization of the culture medium for *Rhodosporidium rubrum* S1 with an artificial neural network model and GA (conference paper). *Advanced Material Research* 756-759, 2013, 172-175, ISSN 1022-6680 **(13)**

32. Yehia H.M., Al-Olayan E.M., Elkhadragy M.F., Khalaf-Allah A.E.R.M., El-Shimi N.M. Improvement of carotenoid pigments produced by *Rhodotorula glutinis*. *Life Science Journal* **10**, 2013, 386-400, ISSN 1097-8135 **(13)**

33. Thakur M., Azmi W. Nutraceutical β-carotene from natural non-conventional sources and its applications. *Annals of Phytomedicine* **2**, 2013, 59-73, ISSN 2278-9839 **(13)**

34. Caudhari V.M., Jobanputra A.H. Isolation, identification and characterization of novel pigment producing bacteria from distillery spent wash. *BioTechnology:An Indian Journal* **7**, 2013, 194-200, ISSN 0974-7435 **(13)**

35. Paixão R., Moreno LZ., Sena De Gobbi DD., Raimundo DC., Hofer E., Matté MH., Ferreira TSP., (...), Moreno AM. Characterization of *Yersinia enterocolitica* biotype 1A strains isolated from swine slaughterhouses and markets. The Scientific World Journal, 2013, art. no. 769097, ISSN 1537-744X (**14**)

36. Novoslavskij A., Kudirkiene E., Marcinkute A., Bajoriuniene A., Korkeala H., Malakauskas M. Genetic diversity and antimicrobial resistance of *Yersinia enterocolitica* isolated from pigs and humans in Lithuania. *Journal of the Science of Food and Agriculture*, **8**, 93, 2013, 1858-1862, ISSN 0022-5142 (**14**)

37. Virtanen S., Laukkanen-Ninios R., Martínez PO., Siitonen A., Fredriksson-Ahomaa M., Korkeala H. Multiple-locus variable-number tandem-repeat analysis in genotyping *Yersinia enterocolitica* strains from human and porcine origins. *Journal of Clinical Microbiology*, **7**, 51, 2013, 2154-2159, ISSN 0095-1137 (**14**)

38. Fakruddin M., Bin Mannan KS., Mohammad Mazumdar RM., Chowdhury A., Nur Hossain M. Identification and characterization of microorganisms: DNA-fingerprinting methods. *Songklanakarin Journal of Science and Technology*, **4**, 35, 2013, ISSN 0125-3395 (**14**)

39. Machorowska-Pieniążek A., Morawiec T., Mertas A., Tanasiewicz M., Dziedzic A., Influence of propolis on hygiene, gingival condition, and oral microflora in patients with cleft lip and palate treated with fixed orthodontic appliances. *Evidence-Based Complementary and Alternative Medicine*, 2013, article ID 183915, ISSN 1741-427X (**15**)

40. Verli F.D.L., Rocha N.L. Efeito do extrato de própolis em mucosa bucal em modelo de carcinogênese induzida por DMBA. http://acervo.ufvjm.edu.br:8080/jspui/1/226 (**16**)

41. Pal A, Datta S, Paul AK. Hexavalent chromium reduction by immobilized cells of *Bacillus sphaericus* AND 303. *Braz. Arch. Biol. Techn.*, **56(3)**, 2013, 505-512, ISSN 1516-8913 **(17)**

42. Venil C.K., Zakaria Z.A., Ahmad W.A. Bacterial pigments and their applications. *Process Biochemistry* **48**, 2013, 1065-1079, ISSN 1359-5113 **(18)**

43. Thakur M., Azmi W. Nutraceutical β-carotene from natural non-conventional sources and its applications. *Annals of Phytomedicine* **2**, 2013, 59-73, ISSN 2278-9839 **(18)**

44. Srisertpol J, Srinakorn P, Kheawnak A, Chamniprasart K. Estimation of biogas production from shrimp pond sediment using the artificial intelligence. *Applied Mechanics and Materials* **261-262**, 2013, 695-700, ISSN 1660-9336 (**19**)

45. Tundis, R., Nadjafi, F., Menichini, F. Angiotensin-converting enzyme inhibitory activity and antioxidant properties of Nepeta crassifolia boiss & buhse and nepeta binaludensis jamzad. *Phytotherapy Research*, **27(4),** 2013, 572-580, ISSN 0951-418X (**20**)

46. Wojtyniak, K., Szymański, M., Matławska, I. Leonurus cardiaca L. (Motherwort): A review of its phytochemistry and pharmacology (Review). *Phytotherapy Research*, **27(8),** 2013, 1115-1120, ISSN 0951-418X (**20**)

47. Lauwers J, Appels L, Thompson IP, Degrève J, Van Impe JF, Dewil R. Mathematical modelling of anaerobic digestion of biomass and waste: Power and limitations. *Progress in Energy and Combustion Science* **39(4)**, 2013, 383-402, ISSN 0360-1285 (**21**)

48. Sahin K., Orhan C., Tuzcu M., Borawska M.H., Jabłonski J., Guler O., Sahin N., Hayirli A. Berberis vulgaris root extract alleviates the adverse effects of heat stress via modulating hepatic nuclear transcription factors in quails *Br J Nutr.* **110**, 2013, 609-616, ISSN 0007-1145 (**22**)

49. Yang Y., Qi J., Wang Q., Du L., Zhou Y., Yu H., Kijlstra A.,Yang P. Berberine suppresses Th17 and dendritic cell responses. *Invest. Ophthalmol. Vis. Sci.,* **54**, 2013, 2516-2522, ISSN 1552-5783 (**22**)

50. Gill A.K., De A., Giri P.D. Nature for the treatment of Acne vulgaris: a disease of adolescence. *World Journal of pharmacy and pharmaceutical sciences*, **2**, 2013, 1739-1766. ISSN 2278-4357 (**22**)

51. Das S., Parveen S., Pradhan A.B. An insight into the interaction of phenanthridine dyes with polyriboadenylic acid: Spectroscopic and thermodynamic approach. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy,* **118,** 2014, 356–366, ISSN 1386-1425 (**22**)

52. Bhardwaj D., Kaushik N. Phytochemical and pharmacological studies in genus Berberis. *Phytochemistry Reviews*, **11**, 2013, 523-542, ISSN 1568-7767 (**22**)

53. Castillo A.L., Osi M.O., Ramos J.D.A., De Francia J.L., Dujunco M.U., Quilala P.F. Efficacy and safety of Tinospora cordifolia lotion in Sarcoptes scabiei var hominis-infected pediatric patients: A single blind, randomized controlled trial. *J Pharmacol Pharmacother.*, **4**, 2013, 39–46, ISSN 0976-500X (**22**)

54. Rouhani S., Salehi N., Kamalinejad M., Zayeri F. Efficacy of Berberis vulgaris aqueous extract on viability of Echinococcus granulosus protoscolices. *Journal of Investigative Surgery*, **26**, 2013, 347-351, ISSN 0894-1939 (**22**)

55. Bauomy A.A, Diab M.C.M., Moneim A.E.A, Dkhil M.A.,Al-Quraishy S. Neuronal activities of berberine in Schistosoma mansoni-infected mice. *African Journal of Pharmacy and Pharmacology,* **7**, 2013, 368-374, ISSN 1996-0816 (**22**)

56. Joshi V., Joshi R.P. Some Plants used in ayurvedic and homoeopathic medicine. *Journal of Pharmacognosy and Phytochemistry*, **2**, 2013, 269-275, ISSN 2278-4136 (**22**)

57. Dixit P.K., Mittal S. Anti-inflammatory agents of herbal origin: An overview. *Int. J. Res. Pharm. Sci.*, **4**, 2013, 295-302, ISSN 0975-7538 (**22**)

58. Dixit P.K., Mittal S. Herbal sources of anti-inflammatory potential: A review. *International Journal of Phytopharmacology*, **4**, 2013, 158-165, ISSN 2277-2928 **(22)**

59. Mezouar D. Recherche d'activités biologiques de Berberis vulgaris. PHD Thesis, 2013, http://dspace.univ-tlemcen.dz/handle/112/1982 (**22**)

60. Haugen, F., Bakke, R., Lie, B. Adapting dynamic mathematical models to a pilot anaerobic digestion reactor. *Modeling, Identification and Control* **34(2)**, 2013, 35-54, ISSN 0332-7353 (**23**)

61. Srisertpol J, Srinakorn P, Kheawnak A, Chamniprasart K. Estimation of biogas production from shrimp pond sediment using the artificial intelligence. *Applied Mechanics and Materials* **261-262**, 2013, 695-700, ISSN 1660-9336 (**23**)

62. Zhang P, Zhou W, Wang P, Wang L, Tang M. Enhancement of chitosanase production by cell immobilization of *Gongronella* sp. JG. *Braz. J. Microbiol*., **44(1),** 2013, 189-195, ISSN 1517-8382 **(24)**

63. Benjamin S, Smitha R, Jisha V, Pradeep S, Sajith S, Sreedevi S, Priji P, Unni K, Josh M. A monograph on amylases from *Bacillus* spp. *Adv. Biosci. Biotechnol*., **4**, 2013, 227-241, ISSN 2156-8456 **(24)**

64. Gon¸calves S., Anabela R., In vitro culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites, Biotechnology Advances, *Biotechnology Advances*, **31**, 2013, 166–174, ISSN 0734-9750 **(25)**

65. Wang Y, Sun D, Chen Z, Ruan H, Ge W. 2013. Biotransformation of 3β-hydroxy-5-en-steroids by Mucor silvaticus. *Biocatalysis and Biotransformation,* **31**, 2013, 168-174, ISSN 1024-2422 (**26**)

66. An J-U, Joo Y-C, Oh D-K. New biotransformation process for production of the fragrant compound γ-dodecalactone from 10-hydroxystearate by permeabilized waltomyces lipofer cells**.** *Appl. Environ. Microb.,* **79**, 2013, 2636-2641, ISSN 0099-2240 (**27**)

67. Bharali P, Saikia JP , Ray A, Konwar BK. Rhamnolipid (RL) from Pseudomonas aeruginosa OBP1: A novel chemotaxis and antibacterial agent. *Colloid Surfaces B,* **103**, 2013, 502-509, ISSN 0927-7765(**27**)

68. Gruber C, Krahulec S, Nidetzky B, Kratzer R. Harnessing Candida tenuis and Pichia stipitis in whole-cell bioreductions of o-chloroacetophenone: Stereoselectivity, cell activity, in situ substrate supply and product removal**.** *Biotechnology Journal,* **8**, 2013, 699-708, ISSN 1860-6768 (**27**)

69. Carl Gelhaus H., Anderson MS., Fisher DA., Flavin MT., Xu Z-Q., Sanford DC. Efficacy of post exposure administration of doxycycline in a murine model of inhalational melioidosis. *Scientific Reports* **3**, 2013, art. no. 1146, ISSN 2045-2322 (**28**)

70. Nyati K.K. and Nyati R. Role of campylobacter jejuni infection in the pathogenesis of Guillain-Barré syndrome: An update. *BioMed Research International* 2013, 852195, ISSN 2314-6141 **(29)**

71. Mausberg A.K., Dorok M., Stettner M., Muller M., Hartung H.P., Dehmel T., Warnke C., Meyer Zu Horste G., Kieseier, B.C. Recovery of the T-cell repertoire in CIDP by IV immunoglobulins. *Neurology,* **80**, 2013, 296, ISSN 0028-3878 **(29)**

72. Gouilleux-Gruart V., Schleinitz N., Fischer A. Primary immune deficiencies: Practical questions. *Current Opinion in Allergy and Clinical Immunology,* 13 (SUPPL. 2), 2013, S67, ISSN 1473-6322 **(29)**

73. Bick S., Tschernatsch M., Karg A., Fuehlhuber V., Trenczek T.E., Faltermeier K., Hackstein H., Kaps M., Blaes F. Intravenous immunoglobulin inhibits BAFF production in chronic inflammatory demyelinating polyneuropathy - a new mechanism of action? *J Neuroimmunol,* **84,** 2013, 256, ISSN 0165-5728 **(30)**

74. Jawa V., Cousens L., De Groot A.S. in *Fusion Protein Technologies for Biopharmaceuticals: Applications and Challenges*, edited by S. R. Schmidt (John Wiley & Sons, Inc., Hoboken, NJ, USA, 2013), pp. 75.**ISBN** 9780470646274 **(30)**

75. Goulabchand R., Batteux F., Guilpain P. Glycosylation des autoanticorps au cours des maladies auto-immunes. *La Revue de Médecine Interne*, 2013, ISSN 0248-8663 **(30)**

76. MannoorK., Xu Y., Chen C. Natural autoantibodies and associated B cells in immunity and autoimmunity. *Autoimmunity,* **46**, 2013, 138, ISSN 0891-6934 **(31)**

77. Buneva V.N., Krasnorutskii M.A., Nevinsky G.A. Natural antibodies to nucleic acids. *Biochemistry. Biokhimiia,* **78,** 2013, 127, ISSN 0006-2979 **(31)**

78. Cova J.A. In: A legacy of stingless bees. Vit P. et al. (eds). Immunological Properties of Bee Products. - Pot-Honey, 2013 – Springer, 513-541 **(32)**

79. Pospekhova N.A., Bondarenko S.K. Morpho-functional characteristics of the scolex of Wardium chaunense (Cestoda: Aploparaksidae) penetrated into host intestine. *Parasitol. Res*. 2013 Nov 1. [Epub ahead of print], ISSN 0932-0113, e-ISSN 1432-1955 **(33)**

80. Larcher S, Yargeau V. Biodegradation of 17-α-ethinylestradiol by heterotrophic bacteria *Environmental Pollutions,* **173** , 2013, 17-22, ISSN 0269-7491 **(34)**

81. Li H, Fu Z, Li H, Dou W, Shi J, Xu Z. Improvement of the steroid dihydroxylation efficiency from dehydroepiandrosterone using a substrate pre-induction

biotransformation process. *Biotechnology and Bioprocess Engineering,* **18**, 2013, 486-490, ISSN 1226-8372 (34)

82. Zhang J, Shi J, Liu Y. Bioconversion of resveratrol using resting cells of non-genetically modified Alternaria sp. *Biotechnology and Applied Biochemistry,* **60**, 2013, 236-243, ISSN 0885-4513 **(34)**
83. Kun, S., Shane, C.J., Desiree, F.H., et al. Prospects for circumventing aminoglycoside kinase mediated antibiotic resistance. *Frontiers in Cellular and Infection Microbiol.* **3,** 2013, DOI: 10.3389/fcimb.2013.00022 **(35)**
84. Shang N., Xu R., Pinglan Li. Structure characterization of an exopolysaccharide produced by *Bifidobacterium animalis* RH. *Carbohydrate Polymers* **91**, 2013, 128-134, ISSN 0144-8617 **(36)**
85. Русинова-Видева С. Биосинтез на екзополизахариди от антарктически дрожди. *PhD Thesis*. 2013, Институт по микробиология, София, България. **(36)**
86. Gon¸calves S., Anabela R., In vitro culture of lavenders (Lavandula spp.) and the production of secondary metabolites, *Biotechnology Advances*, **31**, 2013, 166–174, ISSN 0734-9750 **(37)**
87. Barberini S., Savona M., Raffi D., Leonardi M., Pistelli L. Stochmal A., Vainstein A., Pistelli Lu., Ruffoni B. Molecular cloning of SoHPPR encoding a hydroxyphenylpyruvate reductase, and its expression in cell suspension cultures of *Salvia officinalis*. *Plant Cell, Tiss and Organ Cultures*, **114(1),** 2013, 131–138, ISSN 0167-6857 **(37)**
88. Costa P., Gonçalves S., Valentão P., Andrade P.B., Romano A.. Accumulation of phenolic compounds in in vitro cultures and wild plants of *Lavandula viridis* L'Hér and their antioxidant and anti-cholinesterase potential. *Food and Chemical Toxicology*, **57**, 2013, 69-74, ISSN 0278-6915 **(37)**
89. Saeed A., Iqbal M. Loofa (*Luffa cylindrica*) sponge: Review of development of the biomatrix as a tool for biotechnological applications. *Biotechnol Prog*, **29(3)**, 2013, 573-600, ISSN 8756-7938 **(38)**
90. Soykan C.; Fahrettin Y.; Muradiye Ş. Synthesis, Antimicrobial Activity and Semi-conducting Properties of Novel 2-(4-Chloro-1-Naphtyloxy)-2-Oxoethyl Methacrylate with 2-(Diethylamino) Ethyl Methacrylate Copolymers." *Journal of Macromolecular Science, Part A* 50, **9** ,2013, 953-965 **(39)**
91. Akelah, Ahmed. Polymers in the Controlled Release of Agrochemicals." *Functionalized Polymeric Materials in Agriculture and the Food Industry*. Springer US, 2013, 133-192 **(39)**
92. Gouilleux-Gruart V., Schleinitz N., Fischer A. Primary immune deficiencies: Practical questions. *Current Opinion in Allergy and Clinical Immunology,* 13 (SUPPL. 2), 2013, S67, ISSN 1473-6322 **(40)**
93. Kant S., Vohra A., Gupta R. Purification and physicochemical properties of polygalacturonase from *Aspergillus niger* MTCC 3323. *Prot Expr Purif,* **87(1)**, 2013, 11-16, ISSN 1046-5928 **(41)**

94. Zhang P., Zhou W., Wang P., Wang L., Tang M. Enhancement of chitosanase production by cell immobilization of *Gongronella* sp. JG. *Braz J Microbiol*, **44(1),** 2013, 189-195, ISSN 1517-8382 **(41)**

95. Abdel-Rahman, M.A., Tashiro, Y., Sonomoto, K. Recent advances in lactic acid production by microbial fermentation processes (Review). *Biotechnol Adv*, **31(6),** 2013, 877-902, ISSN 0734-9750 **(42)**

96. Saeed A., Iqbal M. Loofa (*Luffa cylindrica*) sponge: Review of development of the biomatrix as a tool for biotechnological applications *Biotechnol Prog*, **29(3),** 2013, 573–600, ISSN 1520-6033 **(42)**

97. Sailaja N., Sreedharamurthy M., Prakasham R.S., Reddy O.V.S. Liquefied sorghum starch medium as novel substrate for production of lactic acid by immobilized acid resistant *Rhizopus oryzae* in natural and synthetic sponges. *Curr Trends Biotechnol Pharmacy,* **7(3),** 2013, 743-754, ISSN 0973-8916 **(42)**

98. Zhang P., Zhou W., Wang P., Wang L., Tang M. Enhancement of chitosanase production by cell immobilization of *Gongronella* sp. JG. *Braz J Microbiol*, **44(1),** 2013, 189-195, ISSN 1517-8382 **(42)**

99. Banerjee SP, Dora KC, Chowdhury S. Detection, partial purification and characterization of bacteriocin produced by *Lactobacillus brevis* FPTLB3 isolated from freshwater fish: Bacteriocin from Lb. brevis FPTLB3. *Journal of Food Science and Technology,* **50**, 2013, 17-25, ISSN 1365-2621 **(43)**

100. Baysal Ö, Lai D, Xu H.-H, Siragusa M, Çalişkan M, Carimi F, da Silva JAT, Tör MA. Proteomic Approach Provides New Insights into the Control of Soil-Borne Plant Pathogens by Bacillus Species. *PLoS ONE*, 8, 2013, art. no. e53182, ISSN 1932-6203 **(43)**

101. Hamed E, Elattar A. Identification and some probiotic potential of lactic acid bacteria isolated from Egyptian camels milk. *Life Science Journal,* **10,** 2013, 1952-1961, ISSN 1097-8135 **(43)**

102. Ivey M, Massel M, Phister TG. Microbial interactions in food fermentations. *Annual Review of Food Science and Technology*, **4,** 2013, 141-162, ISSN 19411413 **(43)**

103. Mahmood T, Masud T, Imran M, Ahmed I, Khalid N. Selection and characterization of probiotic culture of *Streptococcus thermophilus* from dahi. *International Journal of Food Sciences and Nutrition*, **64**, 2013, 494-501. ISSN 1465-3478 **(43)**

104. Renye JrJA, Somkuti, GA. BlpC-regulated bacteriocin production in Streptococcus thermophilus. *Biotechnology Letters*, **35**, 2013, 407-412, ISSN 0141-5492, **(43)**

105. Rossi F, Marzotto M, Cremonese S, Rizzotti L, Torriani S. Diversity of *Streptococcus thermophilus* in bacteriocin production; inhibitory spectrum and occurrence of thermophilin genes. *Food Microbiology,* **35**, 2013, 27-33, ISSN 0740-0020 **(43)**

106. Turgis M, Vu KD, Lacroix M. Partial Characterization of Bacteriocins Produced by Two New Enterococcus faecium Isolated from Human Intestine. *Probiotics and Antimicrobial Proteins*, **5**, 2013, 110-120. ISSN 1867-1314 **(43)**

107. Yadollahi M., Bouhendi H., Zohuriaan-Mehr MJ., Farhadnejad H., Kabiri K. Investigation of viscoelastic and thermal properties of cyclic carbonate bearing copolymers. *Polymer Sci.,* **55B(5-6),** 2013, 327-335, ISSN 1555-6123 **(44)**

108. Yadollahi M., Bouhendi H., Zohuriaan-Mehr MJ., Farhadnejad H., Kabiri K., Mirabedini SM. Glycidyl methacrylate copolymers modified with CO_2. *Soft Materials*, **11(4)**, 2013, 430-439, ISSN 1539-4468 **(44)**

109. Kim H.Y., Kim J.D., Hong J.S., Ham J.H., Kim B.S. Identification of antifungal niphimycin from *Streptomyces* sp. KP6107 by screening based on adenylate kinase assay. *J. Basic Microbiol.* **53(7)**, 2013, 581-589, ISSN 1521-4028 **(45)**

110. Ramli N, Abd-Aziz S, Alitheen NB, Hassan MA, Maeda T. Improvement of cyclodextrin glycosyltransferase gene expression in escherichia coli by insertion of regulatory sequences involved in the promotion of RNA transcription. *Mol. Biotechnol.,* **54(3),** 2013, 961-968, ISSN 1073-6085 **(46)**

111. Das SK, Rajabalaya R, David S, Gani N, Khanam J, Nanda A. Cyclodextrins-the molecular container. *Res. J. Pharm. Biol. Chem. Sci.,* **4(2),** 2013, 1694-1720, ISSN 0975-8585 **(46)**

112. Subramaniam M, Baradaran A, Rosli MI, Rosfarizan M, Khatijah Y, Raha AR. Effect of signal peptides on the secretion of β-cyclodextrin glucanotransferase in lactococcus lactis NZ9000. *J. Mol. Microbiol. Biotechnol*., **22(6),** 2013, 361-372, ISSN 1464-1801 **(46)**

113. Sun T, Letsididi R, Pan B, Jiang B. Production of a novel Cyclodextrin glycosyltransferase from *Bacillus* sp. SK13.002. *Afr. J. Microbiol. Res*., **7(20),** 2013, 2311-2315, ISSN 1996-0808 **(46)**

114. Tesfai BT, Wu D, Chen S, Chen J, Wu J. Effect of organic solvents on the yield and specificity of cyclodextrins by recombinant cyclodextrin glucanotransferase (CGTase) from *Anaerobranca gottschalkii*. *J. Incl. Phenom. Macro. Chem.,* **77(1-4),** 2013, 147-153, ISSN 1388-3127 **(46)**

115. Zulkifli SNIB. Immobilization of *Escherichia coli* producing recombinant cyclodextrin glucanotransferase using hollow fiber membrane. A report submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Engineering (Chemical - Bioprocess), 2013, Faculty of Chemical Engineering, Universiti Teknologi Malaysia **(46)**

116. Bueno MR, Varize LT, Olivo JE, Zanin GM. Obtenção de ciclomaltodextrina-glucano-transferase em processo fermentativo por *Bacillus firmus* Cepa 37 para produção de ciclodextrinas. *Revista de Engenharia e Tecnologia*, **5(3),** Edição Especial Out, 2013, 97-103, ISSN 2176-7270 **(46)**

117. Bueno MR, Varize LT, Martins CB, Calderaro FP, Olivo JE, Zanin GM. Obtenção de Gama-Ciclodextrina, por *Bacillus firmus* Cepa 37. *BBR – Biochem. Biotechnol. Rep.*, **2(3),** 2013, 237-240, ISSN 2316-5200 **(46)**

118. Jimat DN, Harwood C, Akay G. Production of α-Amylase by Immobilized Bacillus Subtilis in Polymeric PolyHIPE Matrix. Developments in Sustainable Chemical and Bioprocess Technology, Editors Ravindra P, Bono A, Chu C, Springer, 2013, 159-171, **ISBN** 978-1-4614-6207-1 **(47)**

119. Hauli I, Sarkar B, Mukherjee T, Mukhopadhyay SK. Isolation and identification of a novel thermo-alkaline, thermostable, SDS and chelator resistant amylase producing *Anoxybacillus* sp. IB-A from hot spring of Bakreswar, West Bengal (India): First report. *Adv. Appl. Sci. Res*., **4(5),** 2013, 202-212, ISSN 0976-8610 **(47)**

120. Shang N., Xu R., Pinglan Li. Structure characterization of an exopolysaccharide produced by *Bifidobacterium animalis* RH. *Carbohydrate Polymers* **91**, 2013, 128-134, ISSN 0144-8617 **(48).**

121. Русинова-Видева С. Биосинтез на екзополизахариди от антарктически дрожди. *PhD Thesis*. 2013, Институт по микробиология, София, България. **(48)**

122. Gon¸calves S., Anabela R., In vitro culture of lavenders (Lavandula spp.) and the production of secondary metabolites, *Biotechnology Advances*, **31,** 2013, 166-174, ISSN 0734-9750 **(49)**

123. Barberini S., Savona M., Raffi D., Leonardi M., Pistelli L. Stochmal A., Vainstein A., Pistelli Lu., Ruffoni B. Molecular cloning of SoHPPR encoding a hydroxyphenylpyruvate reductase, and its expression in cell suspension cultures of *Salvia officinalis*. *Plant Cell, Tiss and Organ Cultures*, **114(1)**, 2013, 131-138, ISSN 0167-6857 **(49)**

124. Costa P., Gonçalves S., Valentão P., Andrade P.B., Romano A. Accumulation of phenolic compounds in in vitro cultures and wild plants of *Lavandula viridis* L'Hér and their antioxidant and anti-cholinesterase potential. *Food and Chemical Toxicology*. **57**, 2013, 69-74, ISSN 0278-6915 **(49)**

125. Pappa, E.C., Massouras, T., Sotirakoglou, K., Kandarakis, I. Formation of volatile compounds in Teleme cheese manufactured with mesophilic and thermophilic dairy starters. *Small Ruminant Research*, **111**, 2013, 110-119, ISSN 0921-4488 **(50)**

126. Tsevdou M, Soukoulis C, Cappellin L. Gasperi F, Taoukis PS, Biasioli F. Monitoring the effect of high pressure and transglutaminase treatment of milk on the evolution of flavour compounds during lactic acid fermentation using PTR-ToF-MS. *Food Chemistry* **138**, 2013, 2159-2167, ISSN 0308-8146 **(50)**

127. Kilic GB., Akpinar D. The effects of different levels of β- glucan on yoghurt manufactured with *Lactobacillus plantarum* strains as adjunct culture. *Journal of Food, Agricuture and Environment* **11**, 2013, 281-287, ISSN 1459-0255 **(50)**

128. de Leonardis A., Lopez F., Nag A., Macciola V. Occurrence and persistence of diacetyl in unfermented and fermented milks. *European Food Research and Technology* **236**, 2013, 691-697, ISSN 1438-2385 **(50)**

129. Johanson KE, Watt TJ, Mcintyre NR, Thompson M. Purification and characterization of enzymes from yeast: An extended undergraduate laboratory sequence for large classes. *Biochemistry and Molecular Biology Education*, **41**, 2013, 251-261, ISSN 1539-3429 **(51)**

130. Kim SR, Skerker JM, Kang W, Lesmana A, Wei N. Rational and Evolutionary Engineering Approaches Uncover a Small Set of Genetic Changes Efficient for Rapid Xylose Fermentation in *Saccharomyces cerevisiae*. *PloS ONE*, **8**, 2013, e57048, ISSN 1932-6203 **(51)**

131. Tomitaka M, Taguchi H, Fukuda K, Akamatsu T, Kida K. Isolation and characterization of a mutant recombinant *Saccharomyces cerevisiae* strain with high

efficiency xylose utilization. *Journal of Bioscience and Bioengineering*, **116,** 2013, 706-715, ISSN 1389-1723 **(51)**

132. Kaur B, Balgir P, Mittu B, Chauhan A, Kumar B. Purification and physicochemical characterization of anti-gardnerella vaginalis bacteriocin hv6b produced by Lactobacillus fermentum Isolate from human vaginal ecosystem. *American Journal of Biochemistry and Molecular Biology*, **3(1)**, 2013, 91-100, eISSN 2150-4253 **(52)**
133. Banerjee SP, Dora KC, Chowdhury S. Detection, partial purification and characterization of bacteriocin produced by *Lactobacillus brevis* FPTLB3 isolated from freshwater fish: Bacteriocin from Lb. brevis FPTLB3. *Journal of Food Science and Technology*, **50(1)**, 2013, 17-25, ISSN 0022-1155 **(53)**
134. Baysal Ö, Lai D, Xu H-H, Siragusa M, Çalişkan M, Carimi F, da Silva JAT, Tör MA. Proteomic approach provides new insights into the control of soil-borne plant pathogens by *Bacillus* species. *PLoS ONE*, **8(1)**, 2013, art. no. e53182, eISSN-1932-6203 **(53)**
135. Hamed E, Elattar,A. Identification and some probiotic potential of lactic acid bacteria isolated from Egyptian camels milk. *Life Science Journal*, **10(1)**, 2013, 1952-1961, ISSN 0024-3205 **(53)**
136. Ivey, M, Massel M, Phister TG. Microbial interactions in food fermentations. *Annual Review of Food Science and Technology*, **4(1)**, 2013, 141-162, ISSN 1941-1413 **(53)**
137. Mahmood T, Masud T, Imran M, Ahmed I, Khalid N. Selection and characterization of probiotic culture of *Streptococcus thermophilus* from dahi. *International Journal of Food Sciences and Nutrition*, **64(4)**, 2013, 494-501, ISSN 0963-7486 **(53)**
138. Melgar-Lalanne G, Rivera-Espinoza Y, Reyes Méndez AI, Hernández-Sánchez H. In vitro evaluation of the probiotic potential of halotolerant Lactobacilli isolated from a ripened tropical mexican cheese. *Probiotics and Antimicrobial Proteins*, **5(4)**, 2013, 239-251, ISSN 1867-1306 **(53)**
139. Mezaini A, Bouras AD. Antibacterial activity and probiotic properties of some lactic acid bacteria isolated from dairy products. *African Journal of Biotechnology*, **12(20)**, 2013, 2949-2956, ISSN 1684-5315 **(53)**
140. Paiva AD, Breukink E. Antimicrobial Peptides Produced by Microorganisms. In: Antimicrobial Peptides and Innate Immunity, 2013 – Springer, **ISBN** 978-3-0348-0540-7 **(53)**
141. Renye JA, Somkuti GA. BlpC-regulated bacteriocin production in *Streptococcus thermophilus*. *Biotechnology Letters*, **35(3)**, 2013, 407-412, ISSN 0141-5492 **(53)**
142. Rossi F, Marzotto M, Cremonese S, Rizzotti L, Torriani S. Diversity of *Streptococcus thermophilus* in bacteriocin production; inhibitory spectrum and occurrence of thermophilin genes. *Food Microbiology*, **35(1)**, 2013, 27-33, ISSN 0740-0020 **(53)**
143. Turgis M, Vu KD, Lacroix M. Partial characterization of bacteriocins produced by two new *Enterococcus faecium* isolated from human intestine. *Probiotics and Antimicrobial Proteins*, **5(2)**, 2013, 110-120, ISSN 1867-1306 **(53)**
144. Zaeim D, Soleimanian-Zad S, Sheikh-Zeinoddin M. Identification and partial characterization of a bacteriocin-like inhibitory substance (BLIS) from *Lb.*

Bulgaricus K41 isolated from indigenous yogurts. *Journal of Food Science*, 2013, doi: 10.1111/1750-3841.12314, ISSN 1750-3841 **(53)**

145. Bhardwaj D., Kaushik N. Phytochemical and pharmacological studies in genus Berberis. *Phytochemistry Reviews*, 11, 2013, 523-542, ISSN 1568-7767 **(54)**
146. Naik R., Suresh M., Santosh W. Inflammation, allergy and asthma, complex immune origin diseases: mechanisms and therapeutic agents. *Recent patents on inflammation & allergy drug discovery*, **7,** 2013, 62-95, ISSN 1872-213X **(54)**
147. Michael W.N. Postgraduate thesis: The preventive and curative potential of berberine and coptis on human hepatocellular carcinoma. University of Hong Kong, http://hub.hku.hk/handle/10722/184236 **(54)**
148. Qujeq D., Kamei S. In vitro antioxidant effects of barberry fruit extracts. *IJMCM,* 1, 2012, 168-172, ISSN 2251-9637 **(54)**
149. Sooryanarayana, Prasad N., Bonnin E., Pashov A., Ben Jilani K., Ameisen J.C., Kazatchkine M.D., Kaveri S.V. Phosphorylation of Bcl-2 and mitochondrial changes are associated with apoptosis of lymphoblastoid cells induced by normal immunoglobulin G. *Biochem Biophys Res Commun,* **264**, 1999, 896, ISSN 0006-291X **(54)**
150. von Gunten S., Wehrli M., Simon H.U. Cell death in immune thrombocytopenia: novel insights and perspectives. *Semin Hematol,* 50 (SUPPL.1), 2013, S109, ISSN 0037-1963 **(54)**
151. Nishiyama Y. Paul, S. in *Handbook of Proteolytic Enzymes* (2013), Vol. 1, 3739, **ISBN** 0123822203, 9780123822208 **(55)**
152. Odintsova E.S., Dmitrenok P.S., Buneva V.N., Nevinsky G.A. Specific anti-integrase abzymes from HIV-infected patients: a comparison of the cleavage sites of intact globular HIV integrase and two 20-mer oligopeptides corresponding to its antigenic determinants. *Journal of molecular recognition : JMR,* **26**, 2013, 121, ISSN 0952-3499 **(55)**
153. Grosbois S.S., Brionne M.F., Longcamp A.L.F., Gautier P., Kaveri S.V., Borel-Derlon A., Repesse Y. Hydrolysis of factor VIII mediated by catalytic antibodies occurs in haemophilia A patients with or without factor VIII inhibitors. *Haemophilia,* **19**, 2013, 322, ISSN 1351-8216 **(55)**
154. Hifumi E., FujimotoN., Arakawa, M., Saito E., Matsumoto S., Kobayashi N., Uda, T. Biochemical features of a catalytic antibody light chain, 22F6, prepared from human lymphocytes. *Journal of Biological Chemistry,* **288,** 2013, 19558, ISSN 0021-9258 **(55)**
155. Mahendra A., Sharma M., Rao D.N., Peyron I., Planchais C., Dimitrov J.D., Kaveri S.V., Lacroix-Desmazes S. Antibody-mediated catalysis: induction and therapeutic relevance. *Autoimmun Rev,* **12**, 2013, 648. ISSN 1568-9972 **(55)**
156. Orlova N.A., Kovnir S.V., Vorobiev II, Gabibov A.G., Vorobiev A.I. Blood Clotting Factor VIII: From Evolution to Therapy. *Acta Naturae,* **5**, 2013, 19, ISSN 2075-8251 **(55)**

157. D'Antona N, Morrone R, Nicolosi G, Pedotti S. Novel enzymatic recognition of the ferrocene framework: Nitrile hydratase/amidase catalyzed cascade biotransformations *RSC Advances* **3**, 2013, 11456-11458, ISSN 2046-2069 **(56)**

158. Ma X-K, Zhang H, Fam H. Influence of rutin, FeSO4, Tween 80, aspartate and complex vitamins on synthesis of fungal exopolysaccharide. *Carbohydrate Polymers,* **92**, 2013, 1188-1196, ISSN 0144-8617 **(56)**

159. Chen Z, Li C, Li G, Yu H, Jiang Y, Yan L, Meng C, Zhou Y, Tong G, Liu G. Rapid diagnosis of goose viral infections by multiplex PCR, *Journal of Virological Methods,* **191**, 2013, 101-104 **(57)**

160. Lauwers J, Appels L, Thompson IP, Degrève J, Van Impe JF, Dewil R. Mathematical modelling of anaerobic digestion of biomass and waste: Power and limitations. *Progress in Energy and Combustion Science*, **39(4)**, 2013, 383-402, ISSN 0360-1285 **(58)**

161. Niu H, Wang Q, Wang H. Variable structure control for methane fermentation systems. *Chinese Control Conference, CCC*, 2013, art. no. 6639549, 866-870, ISSN 0191-2216 **(58)**

162. Habbeche A., Haberra S., Saoudi B., Kerouaz B., Ladjama A. Keratinase production from a thermophilic actinomycete strain Cpt29 newly isolated from poultry compost. *Minerva Biotecnol.*, **25(3)**, 2013, 151-159, ISSN 1827-160X **(59)**

163. Fang Z., Zhang J., Liu B., Du G., Chen J. Biochemical characterization of three keratinolytic enzymes from *Stenotrophomonas maltophilia* BBE11-1 for biodegrading keratin wastes. *Int. Biodeterior. Biodegrad.* **82,** 2013, 166-172, ISSN 0964-8305 **(59)**

164. Li B., Wang Q., Yuan J.-G., Wang P., Fan X.-R., Huang D.-H., Cui L. Study on anti-felting finishing of wool with keratinase and protease in two baths. *Wool Textile J.* **41(6),** 2013, 1-5, ISSN 1003-1456 **(59)**

165. Mehta R.S., Jholapara R.J., Sawant C.S. Optimization of cultural conditions for extracellular keratinase production by *Bacillus species* isolated from poultry farm soil. *Int. J. Pharma Bio Sci.* **4(2),** 2013, B454-B463, ISSN 0975-6299 **(59)**

166. Gon¸calves S., Anabela R., In vitro culture of lavenders (Lavandula spp.) and the production of secondary metabolites, *Biotechnology Advances*, **31**, 2013, 166-174, ISSN 0734-9750 **(60)**

167. Gon¸calves S., Anabela R., In vitro culture of lavenders (Lavandula spp.) and the production of secondary metabolites, *Biotechnology Advances*, **31**, 2013, 166-174, ISSN: 0734-9750 **(61)**

168. Maciel M**.,** Ottoni C., Santos C., Lima N., Moreira K., Souza-Motta C. Production of polygalacturonases by *Aspergillus* section Nigri strains in a fixed bed reactor. *Molecules,* **18(2)**, 2013, 1660-1671, ISSN 1420-3049 **(62)**

169. MacIel M., Ottoni C., Santos C., Lima N., Moreira K., Souza-Motta C. Production of polygalacturonases by Aspergillus section Nigri strains in a fixed bed reactor. *Molecules*, **18(2)**, 2013, 1660-1671, ISSN 1420-3049 **(63)**

170. Kanteev M., Goldfeder M., Chojnacki M., Adir N., Fishman A. The mechanism of copper uptake by tyrosinase from *Bacillus megaterium*. *J Biol Inorg Chem*, 2013, **18(8),** 895-903, ISSN 0949-8257 **(64)**

171. Chen J., Yan X., Kim K.T., et al., Comparative pharmacokinetics of berberine after oral administration of pure berberine, Coptidis rhizoma extract, and decoctions of two different complex herbal formulas to rats. *Bull. Korean Chem. Soc*., **34,** 2013, 1559-1565, ISSN 0253-2964 **(65)**

172. Ma X., Zhou J., Zhang C.-X. et al., Modulation of drug-resistant membrane and apoptosis proteins of breast cancer stem cells by targeting berberine liposomes. *Biomaterials,* **34**, 2013, 4452-4465, ISSN 0142-9612 **(65)**

173. Yang Y., Qi J., Wang Q., Du L., Zhou Y., Yu H., Kijlstra A.,Yang P. Berberine suppresses Th17 and dendritic cell responses. *Invest. Ophthalmol. Vis. Sci.,* **54,** 2013 , 2516-2522, ISSN 1552-5783 **(65)**

174. Moon Y.-M., Park I.-H., Cho J-S., et al. Berberine inhibits myofibroblast differentiation in nasal polyp-derived fibroblasts via the p38 pathway. *Phytotherapy Research,* **27**, 2013, 16–20, ISSN 1099-1573 **(65)**

175. Lin K., Liu S., Shen Y., Li Q. Berberine attenuates cigarette smoke-induced acute lung inflammation. *Inflammation,* **36**, 2013, 1079-1086, ISSN 0360-3997 **(65)**

176. Ghareeb D.A., El-Wahab A.E.A. et al. Biological assessment of Berberis vulgaris and its active constituent, berberine: Antibacterial, antifungal and anti-hepatitis C virus (HCV) effect. *Journal of Medicinal Plants Research*, **7**, 2013, 1529-1536, ISSN 1819-3455 **(65)**

177. Checconi P, Sgarbanti P, Celestino I, Limongi D, Amatore D, Iuvara A, Alimonti A, Garaci E, Palamara A, Nencioni L. The environmental pollutant cadmium promotes influenza virus replication in MDCK cells by altering their redox state. *Int. J. Mol. Sci.*, **14**, 2013, 4148-4162. ISSN 1422 0067 **(66)**

178. Subbaiah K, Wudayagiri R, Valluru L. Newcastle disease virus (NDV) modulates pro/antioxidant status in different brain regions of chicken. *Free Radicals and Antioxidants*, **3**, 2013, 81-86, ISSN 2231-2536 **(66)**

179. Elsaoud A, Tuleukhanov S. Can He-Ne laser induce changes in oxidative stress and antioxidant activities of wheat cultivars from Kazakhstan and Egypt? *Science International Heal. Env.*, **1,** 2013, 39-50. DOI:10.5567/sciintl. 2013.39.50. ISSN 2305-1884 **(67)**

180. Rosu V., Bandino E., Cossu A. Unraveling the transcriptional regulatory networks associated with mycobacterial cell wall defective form induction by glycine and lysozyme treatment. *Microbiological Research*, **168,** 2013, 153-164, ISSN 0944-5013 **(68)**

181. Guan J., Zhu X., Yu F., Yang W., Liu T., Zhang T., Lin N., Liu C. Role of α-toxin-induced apoptosis of umbilical vein endothelial cells in vertical infection of *Staphylococcus aureus* L-form. *Nan Fang Yi Ke Da Xue Xue Bao_(J South Med Univ)* **33**, 2013, 619-624, ISSN 1673-4254, **(68)**

182. Guan JC, Liu Y, Zhu X, Yu FL, Kong XM,. L Na, Liu CS, Liu TT. Teratogenicity of *Staphylococcus aureus* L-forms using a mouse whole-embryo culture model. *J Med Microbiol.* 2013 May;**62(Pt 5)**, 677-82, ISSN 0022-2615, e-ISSN 1473-5644 **(68)**

183. Torres NI, Noll KS, Xu S, Li J, Huang Q, Sinko PJ, Wachsman MB, Chikindas ML. Safety, formulation and in vitro antiviral activity of the antimicrobial peptide subtilosin against herpes simplex virus type 1. *Probiotics and Antimicrobial Proteins*, **5(1)**, 2013, 26-35, ISSN 1867-1306 **(69)**

184. Gon¸calves S., Anabela R., In vitro culture of lavenders (Lavandula spp.) and the production of secondary metabolites, *Biotechnology Advances*, **31,** 2013, 166–174, ISSN 0734-9750 (**70)**

185. Kiferle C., Maggini R., Pardossi A. Influence of nitrogen nutrition on growth and accumulation of rosmarinic acid in sweet basil (*Ocimum basilicum* L.) grown in hydroponic culture. *Australian Journal of Crop Science*. **7(3),** 2013, 321-327, ISSN 1835-2693 **(70)**

186. Maggini R., Galluzzo F., Pardossi A. Effect of nitrogen nutrition on growth and accumulation of caffeic acid derivatives in hydroponically-grown *Echinacea angustifolia* DC. var angustifolia. *Agrochimica*. **57(1),** 2013, 22-30, ISSN 0002-1857 **(70)**

187. Yuan G., Hong K., Lin H., She Z., Li J. New azalomycin F analogs from mangrove *Streptomyces* sp. 211726 with activity against microbes and cancer cells. *Marine Drugs* **11(3),** 2013, 817-829, ISSN 1660-3397 **(71)**

188. Berlowska J., Kregiel D., Ambroziak W.Physiological tests for yeast brewery cells immobilized on modified chamotte carrier. *Antonie van Leeuwenhoek*, **104(5),** 2013, 703-714 ISSN 0003-6072 **(72)**

189. Karahaliloğlu Z., Demirbilek M., Şam M., Erol-Demirbilek M., Sağlam N., Emir Denkbas B. Plasma Polymerization-Modified Bacterial Polyhydroxybutyrate Nanofibrillar Scaffolds. *J Appl Polym Sci*, **128(3),** 2013, 1904-1912, ISSN 0021-8995 **(73)**

190. Zhu Y, Wang G, Ni H, Xiao A, Cai H. Cloning and characterization of a new manganese superoxide dismutase from deep-sea thermophile Geobacillus sp. EPT3. *World J Microbiol Biotechnol*, 2013, **in press**, ISSN 0959-3993 **(73)**

191. Islam M.T., Ahn S.-Y., Cho S.M., Yun H.K. Isolation of antibacterial compounds from hairy vetch (*Vicia villosa*) against grapevine crown gall pathogen. *Horticulture Environ. Biotechnol.* **54(4)**, 2013, 338-345, ISSN 2211-3460 **(74)**

192. Liu J.-T., Lu X.-L., Liu X.-Y., Gao Y., Hu B., Jiao B.-H., Zheng H. Bioactive natural products from the antarctic and arctic organisms. *Mini-Rev. Medicin. Chem.* **13(4),** 2013, 617-626, ISSN 1875-5607 **(74)**

193. Mamun-Or-Rashid A.N.M., Dash B.K., Chowdhury Md.N.A., Waheed M.F, Pramanik Md.K. Exploration of potential baker's yeast from sugarcane juice: optimization and evaluation. *Pakistan J. Biol. Sci.* **16,** 2013, 617-623, ISSN 1812-5735 **(75)**

194. Hemdmbica B., Balasubramanian V., Kannan R.V., James A.R. Screening of chromium-resistant bacteria for plant growth-promoting activities. *Soil Sediment Contamin.* **22(7),** 2013, 717-736, ISSN 1549-7887 **(76)**

195. Wasi S., Tabrez S., Ahmad M. Use of *Pseudomonas spp.* for the bioremediation of environmental pollutions: A review. *Environ. Monitor. Assess.* **185(10),** 2013, 8147-8155, ISSN 1573-2959 **(76)**

196. Abubacker M.N., Sirnivasan S., Visvanathan M. In vivo bioremediation of azo-red dye by indicator fungal isolates. *Biosci. Biotechnol. Res. Asia* **10(1),** 2013, 295-300, ISSN 0973-1245 **(76).**

197. Yang Y.-X., Zeng H.-Y., Zhou Y., Qin S., Ma F., Wang L., Xiao D.-W. Study on preparation and performance of a biological carrier with fourmaline. *Huanjing Kexue/Environ. Sci.* **34(2),** 2013, 616-621, ISSN 0250-3301 **(76)**

198. Qin H, Yang H, Qiao Z, Gao S, Liu Z. Identification and characterization of a *Bacillus subtilis* strain HB-1 isolated from Yandou, a fermented soybean food in China. *Food Control,* **31(1),** 2013, 22-27, ISSN 0956-7135 **(77)**

199. Zeng W, Lin Y, Qi Z, He Y, Wang D, Chen G, Liang Z. An integrated high-throughput strategy for rapid screening of poly(γ-glutamic acid)-producing bacteria. *Appl. Microbiol. Biotechnol.,* **97(5),** 2013, 2163-2172, ISSN 0099-2240 **(77)**

200. Hoennscheidt C, Kreyenschulte D, Margaritis A, Krull R. Production of stable quinine nanodispersions using esterified γ-polyglutamic acid biopolymer. *Biochem. Eng. J.,* **79,** 2013, 259-266, ISSN 1369-703X **(77)**

201. Ashiuchi M. Microbial production and chemical transformation of poly-γ-glutamate. *Microb. Biotechnol.,* **6(6),** 2013, 664-674, ISSN 1751-7915 **(77)**

202. Moraes LP, Brito PN, Alegre RM. The Existing Studies on Biosynthesis of Poly(ɤ -glutamic acid) by Fermentation. *Food Publ. Health*, **3(1),** 2013, 28-36, ISSN 2162-9412 **(77)**

203. Honnscheidt C, Krull R. Biodegradable Surfactants for Advanced Drug Delivery Strategies. *World Acad. Sci. Eng. Technol.,* **79**, 2013, 1192-1196, ISSN 2010-376X **(77)**

204. Berekaa MM, Al-Otaibi MS. Enhanced production of poly glutamic acid by *Bacillus* sp. SW1-2 using statistical experimental design. *Afr. J. Biotechnol*., **12(5),** 2013, 481-490, ISSN 1684–5315 **(77)**

205. Hamaoka, N., Shimajiri, J., Abe, M., Hosokawa, M., Miyashita, K. Oxidative stability of lipids rich in EPA and DHA extracted from fermented scallop ovary. *Journal of Food Science* **78**, 2013, 1348-1353, ISSN 1750-3841 (78)

206. Gon¸calves S., Anabela R., In vitro culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites, Biotechnology Advances, *Biotechnology Advances*, **31**, 2013, 166-174, ISSN 0734-9750. **(79)**

207. Malik S., Hossein Mirjalili M., Fett-Neto A.G., Mazzafera P., Bonfill, M. Living between two worlds: Two-phase culture systems for producing plant secondary metabolites. *Critical Reviews in Biotechnology*, **33(1),** 2013, 1-22, ISSN 0738-8551 **(79)**

208. Craney A, Ahmed S, Nodwell J. Towards a new science of secondary metabolism. *J. Antibiot.*, **66 (7),** 2013, 387-400, ISSN 0021-8820 **(80)**

209. Sudha S., Sundaraganesan N., Vanchinathan K., Muthu K., Meenakshisundaram SP. Spectroscopic (FTIR, FT-Raman, NMR and UV) and molecular structure investigations of 1,5-diphenylpenta-2,4-dien-1-one: A combined experimental and theoretical approach. *Molecular Simulatio*, **4, 39**, 2013, 330-349, ISSN 0892-7022 **(81)**

210. Vanantwerpen G., Houf K., Van Damme I., Berkvens D., De Zutter L. Estimation of the within-batch prevalence and quantification of human pathogenic *Yersinia enterocolitica* in pigs at slaughter. *Food Control*, **1, 34**, 2013, 9-12, ISSN 0956-7135 **(82)**

211. Chong, Y.L., Lam, T.T.Y., Kim, O., Lu, H., Dunn, P., Poss, M. Successful establishment and global dispersal of genotype VI avian paramyxovirus serotype 1 after cross species transmission 2013 *Infection, Genetics and Evolution* **17**, 260-268 **(83)**

212. Hussein Y.M., El-Shal A.S., Rezk N.A., Abdel Galil S.M., Alzahrani S.S. Influence of interleukin-4 gene polymorphisms and interleukin-4 serum level on susceptibility and severity of rheumatoid arthritis in Egyptian population. *Cytokine,* **61**, 2013, 849-55, ISSN 1043-4666 **(84)**

213. Lonnberg T., Yetukuri L., Seppanen-Laakso T., Lahesmaa R., Oresic M.. T-cell Activation induces selective changes of cellular lipidome. *Frontiers in Bioscience*, **5E**, 2013, 558-573, ISSN 1945-0494 **(84)**

214. Oh J., O'Connor P. An update of teriflunomide for treatment of multiple sclerosis. *Therapeutics and Clinical Risk Management,* **9,** 2013, 177-90, ISSN 1176-6336 **(84)**

215. Oh J., O'Connor P. Teriflunomide for the treatment of multiple sclerosis. *Seminars in Neurology*, **33**, 2013, 45-55, ISSN 0271-8235 **(84)**

216. Tanasescu R., Evangelou N., Constantinescu C.S. Role of oral teriflunomide in the management of multiple sclerosis. *Neuropsychiatric Disease and Treatment,* **9**, 2013, 539-53, ISSN 1176-6328 **(84)**

217. Grosbois S.S., Brionne M.F., Longcamp A.L.F., Gautier P., Kaveri S.V., Borel-Derlon A., Repesse Y. Hydrolysis of factor VIII mediated by catalytic antibodies occurs in haemophilia A patients with or without factor VIII inhibitors. *Haemophilia,* **19**, 2013, 322, ISSN 1351-8216 **(85)**

218. Mahendra A., Sharma M., Rao D.N., Peyron I., Planchais C., Dimitrov J.D., Kaveri S.V., Lacroix-Desmazes S. Antibody-mediated catalysis: induction and therapeutic relevance. *Autoimmun Rev,* **12**, 2013, 648, ISSN 1568-9972 **(85)**

219. Smirnov I., Belogurov A. Jr., Friboulet A., Masson P., Gabibov A., Renard P.Y. Strategies for the selection of catalytic antibodies against organophosphorus nerve agents. *Chem Biol Interact,* 203, 2013, 196, ISSN 0009-2797 **(85)**

220. Mahendra A., Peyron I., Dollinger C., Gilardin L., Sharma M., Wootla B., Padiolleau-Lefevre S., Friboulet A., Boquet D., Legendre C., Kaveri S.V., Thaunat O., Lacroix-Desmazes S. IVIg treatment reduces catalytic antibody titers of renal transplanted patients. *PLoS One,* **8,** 2013, e70731. ISSN 1932-6203 **(85)**

221. Orlova N.A., Kovnir S.V., Vorobiev II, Gabibov A.G., Vorobiev A.I. Blood clotting factor VIII: from evolution to therapy. *Acta Naturae,* **5**, 2013, 19, ISSN 2075-8251 **(85)**

222. Buttmann M., Kaveri S., Hartung, H.P. Polyclonal immunoglobulin G for autoimmune demyelinating nervous system disorders. *Trends in Pharmacological Sciences,* **34,** 2013, 445, ISSN 0165-6147 **(86)**

223. Kapustian L.L., Vigontina O.A., Rozhko O.T., Ryabenko D.V., Michowski W., Lesniak W., Filipek A., Kroupskaya I.V., Sidorik L.L. Hsp90 and its co-chaperone,

Sgt1, as autoantigens in dilated cardiomyopathy. *Heart and Vessels,* **28**, 2013, 114, ISSN 0910-8327 **(86)**

224. Sun Y., Biscarini F., Bovenhuis H., Parmentier H.K., Van Der Poel J.J. Genetic parameters and across-line SNP associations differ for natural antibody isotypes IgM and IgG in laying hens. *Animal Genetics,* **44**, 2013, 413, ISSN 0268-9146 **(86)**
225. Adamus G., Bonnah R., Brown L., David L. Detection of autoantibodies against heat shock proteins and ollapsing response mediator proteins in autoimmune retinopathy. *BMC Ophthalmology,* **13**, 2013, 48, ISSN 1471-2415 **(86)**
226. Ferraces-Casais P., Lage-Yusty MA., Rodríguez-Bernaldo De Quirós A., López-Hernández J. Rapid identification of volatile compounds in fresh seaweed. *Talanta*, **115**, 2013, 798-800, ISSN 0039-9140 **(87)**
227. Bukhari IA. The central analgesic and anti-inflammatory activities of the methanolic extract of *Carthamus oxycantha*. *Journal of Physiology and Pharmacology*, **3**, 64, 2013, ISSN 0867-5910 **(88)**
228. Polat S., Ozogul Y. Seasonal proximate and fatty acid variations of some seaweeds from the northeastern Mediterranean coast. *Oceanologia*, **2, 55**, 2013, 375-391, ISSN 0078-3234 **(89)**
229. Ferraces-Casais P., Lage-Yusty MA., Rodríguez-Bernaldo De Quirós A., López-Hernández J. Rapid identification of volatile compounds in fresh seaweed. *Talanta*, **115**, 2013, 798-800, ISSN: 0039-9140 **(89)**
230. Dilipkumar M, Rajamohan N, Rajasimman M. Inulinase production in a packed bed reactor by solid state fermentation. *Carbohydr. Polym.,* **96(1),** 2013, 196-199, ISSN 0144- 8617 **(90)**
231. Mansouri S, Houbraken J, Samson RA, Frisvad JC, Christensen M, Tuthill DE, Koutaniemi S, Hatakka A, Lankinen P. *Penicillium subrubescens*, a new species efficiently producing inulinase. *Antonie van Leeuwenhoek*, **103(6),** 2013, 1343-1357, ISSN 0003-6072 **(90)**
232. Dilipkumara M, Rajasimmana M, Rajamohanb N. Utilization of copra waste for the solid state fermentatative production of inulinase in batch and packed bed reactors. *Carbohydr. Polym.*, 2013, **In press**, ISSN 0144- 8617 **(90)**
233. Dilipkumar M, Rajasimman M, Rajamohan N. Enhanced inulinase production by *Streptomyces* sp. in solid state fermentation through statistical designs. *3 Biotech*., **3(6),** 2013, 509-515, ISSN 2190-572X **(90)**
234. Ahmed Z., Wang Y., Ahmad A., Khan ST., Nisa M., Ahmad H., Afreen A. Kefir and Health: A Contemporary Perspective. *Critical Reviews in Food Science and Nutrition* **53**, 2013, 422-434, ISSN 1040-8398 **(91)**
235. Vardjan T., Mohar-Lorbeg P., Rogelj I., Canzek Majhenic A. Characterization and stability of lactobacilli and yeast microbiota in kefir grains. *Journal of Dairy Science* **96**, 2013, 2729-2736, ISSN 0022-0302 **(91)**
236. Nambou K., Gao C., Zhou F., Guo B., Ai L., Wu Z.J. A novel approach of direct formulation of defined starter cultures for different Kefir-like beverage production. *International Dairy Journal* 2013, DOI: 1016/j.idairyj. 2013.03.013q ISSN 0958-6946 **(91)**

237. Leite A.M.O., Miguel M.A.L., Peixoto R.S., Rosado A.S., Silva J.T., Paschoalin V.M.F. Microbiological, technological and therapeutic properties of kefir: A natural probiotic beverage (Review). *Brazilian Journal of Microbiology* **44**, 2013, 341-349, ISSN 1517-8382 **(91)**

238. Cruz AG., Castro WA., Faria JAF., Bolini HMA., Celeghini RMC., Raices RSL., Oliveira CAF., Fraitas MQ., Conte Junior CA., Marsico ET. Stability of probiotic yogurt added with glucose oxidase in plastic materials with different permeability oxygen rates during the refrigerated storage. *Food Research International* **51**, 2013, 723-728, ISSN 0963-9969 **(92)**

239. Szosland-Faltyn A., Krolasik J., Polak E. Lody jogurtowe nosnikiem bakterii fermentacji mlekowej. Czynniki warunkujace ich prezywalnosc w medium lodowym (Jogurt ice cream as a carrier of lactic amid EN bacteria. Factors affecting the survinal of lactic acid bacteria in ice cream medium). *Chlodnictwo: organ Naczelnej Organizacji Technicznej* **48**, 2013, 38-41, ISSN 0009-4919 **(92)**

240. Pogacic, T., Sinko, S., Zamberlin, S., Samarzija, D. Microbiota of kefir grains. *Mljekarstvo* **63,** 2013, 3-14, ISSN 0026-704X **(93)**

241. Kok-Tas T., Seydim AC., Ozer B., Guzel-Seydim ZB. Effects of different fermentation parameters on quality characteristics of kefir. *Journal of Dairy Science* **96**, 2013, 780-789, ISSN 0022-0302 **(93)**

242. Leite A.M.O., Leite D.C.A., Del Aguila E.M., Alvares T.S., Peixoto R.S., Miguel M.A.L., Silva J.T., Paschoalin V.M.F. Microbiological and chemical characteristics of Brazilian kefir fermentation and storage processes. *Journal of Dairy Science* **96**, 2013, 4149-4159, ISSN 0022-0302 **(93).**

243. Vardjan T., Mohar Lorbeg P., Rogelj I., Canzek Majhenic A. Characterization and stability of lactobacilli and yeast microbiota in kefir grains. *Journal of Dairy Science* **96**, 2013, 2729-2736*,* ISSN 0022-0302 **(93)**

244. Mendes F., Sieuwerts S., de Hulster E., Almering MJH., Luttik MAH., Pronk JT., Smid EJ., Bron PA., Daran-Lapujadea P. Transcriptome-based characterization of interactions between *Sacharomyces cerevisiae* and *Lactobacillus delbrueckii* subsp. *bulgaricus* in lactose-grown chemostat cocultures. *Applied and Environmental Microbiology* **79**, 2013, 5949-5961, ISSN 0099-2240 **(93)**

245. Marsh AJ., O`Sullivan O., Hill C., Ross RP., Cotter PD.Sequencing-based analysis of the bacterial and fungal composition of kefir grains and milks from multiple sources. *PLoS ONE* 8, 2013, Article numbere 69371, ISSN 1932-6203 **(93)**

246. Altay F., Karbancioglu-Guler F., Daskaya-Dikmen C., Heperkam D. A review on traditional Turkish fermented non-alcoholic beverages: Microbiota, fermentation process and quality characteristics. *International Journal of Food Microbiology* **167**, 2013, 44-56, ISSN 0168-1605 **(93)**

247. Sari E.K., Bakir B., Aydin B.D., Sozmen M. The effects of kefir, koumiss, yogurt and commercial probiotic formulations on PPARά and PPAR-β/δ expressions in mouse kidney. *Biotechnic & Histochemistry* 2013, DOI: 10.3109/10520295.2013.844274, ISSN 1052-0295 **(93)**

248. Leite A.M.O., Miguel M.A.L., Peixoto R.S., Rosado A.S., Silva J.T., Paschoalin V.M.F. Microbiological, technological and therapeutic properties of kefir: A natural

probiotic beverage (Review). *Brazilian Journal of Microbiology* **44**, 2013, 341-349, ISSN 1517-8382 **(93)**

249. Kok-Tas T., Seydim AC., Ozer B., Guzel-Seydim Z.B. Effects of different fermentation parameters on quality characteristics of kefir. *Journal of Dairy Science* **96**, 2013, 780-789, ISSN 0022-0302 **(94)**
250. Zajsek K., Gorsek A., Kolar M. Cultivating conditions effects on kefiran production by the mixed culture of lactic acid bacteria imbedded within kefir grains. *Food Chemistry* **139**, 2013, 970-977, ISSN 0308-8146 **(94)**
251. Khue N.T.H., Ngoc N.H. Exopolysaccharide in *Lactobacillus rhamnosus* Pn04 after co-culture with *Leuconostoc mesenteroides* Vtcc-B-643. *Journal of Applied Pharmaceutical Science* **3**, 2013, 014-017, ISSN 2231-3354 **(94)**
252. Kodali V.P., Karlapudi A.P., Kotam M., Kota R.K., Punati T., Byri R.B. 3-Plant extracts as antibiofilm agents. *International Journal of Pharmaceutical Sciences Review and Research* **21**, 2013, 325-328, ISSN 0976-044X **(94)**
253. Safiri M.E., Swarastuti A. Kualitas kefir berdasakan konsentrasi kefir grains. *Jurnal Aplikasi Teknologi Pangan* **2**, 2013, 87-92, ISSN 2089-7693 **(94).**
254. Sharma S., Shahzad A., Sahai A. Hairy root culture: An efficient system for secondary metabolite production. In: Recent Trends in Biotechnology and Therapeutic Applications of Medicinal Plants (Shahid M., Shahzad A., Malik A., Sahai A. Eds.), *Springer Netherlands*, 2013, 51-78, **ISBN** 978-94-007-6602-0 **(95)**
255. Wybraniec S., Starzak K., Skopińska A., Nemzer B., Pietrzkowski Z., Michałowski T. Studies on nonenzymatic oxidation mechanisms in neobetanin, betanin, and decarboxylated betanins. *Journal of Agricultural and Food Chemistry*, **61,** 2013, 6465-6476, ISSN 0021-8561 **(95)**
256. Vulić J.J., Ćebović T.N., Čanadanović-Brunet J.M., Ćetković G.S., Čanadanović V.M., Djilas S.M., Tumbas Šaponjac V.T. In vivo and in vitro antioxidant effects of beetroot pomace extracts. *Journal of Functional Foods*, 2013, DOI: 10.1016/j.jff.2013.10.003, ISSN 1756-4646 **(95)**
257. Antunes AA, de Araújo HWC, da Silva CAA, da Costa CD. Albuquerque, Campos-Takaki, G.M. Biosurfactant production by *Chromobacterium violaceum* ATCC 12472 using corn steep liquor and corn post-frying oil as nutrients. *Arquivos do Instituto Biológico,* 80, 2013, *On-line version* ISSN 1808-1657 **(96)**
258. Janek T, Łukaszewicz M, Krasowska A. Identification and characterization of biosurfactants produced by the Arctic bacterium *Pseudomonas putida* BD2. *Colloids and SurfacesB:Biointerfaces,* **110**, 2013, 379-386, ISSN 0927-7765 **(96)**
259. Rebello S, Asok AK, Joseph SV, Joseph BV, Jose L, Mundayoor S, Jisha MS. Bioconversion of sodium dodecyl sulphate to rhamnolipid by *Pseudomonas aeruginosa*: A novel and cost-effective production strategy. *Applied Biochemistry and Biotechnology,* **169**, 2013, 418-430, ISSN 0273-2289 **(96)**
260. Yun S-J, Rho J-Y. Isolation of *Bacillus atrophaeu*s MPL-01 from a wild boar and characterization of its antifungal activity. *Korean Journal of Microbiology,* **49**, 2013, 195-199, ISSN 1598642X **(96)**

261. Eilert E., Kranz A, Hollenberg CP, Piontek M, Suckow M. Synthesis and release of the bacterial compatible solute 5-hydroxyectoine in Hansenula polymorpha. *Journal of Biotechnology*, **167(2)**, 2013, 85-93, ISSN 0168-1656 **(97)**

262. Eilert E, Rolf T, Heumaier A, Hollenberg CP, Piontek M, Suckow M. Improved processing of secretory proteins in Hansenula polymorpha by sequence variation near the processing site of the alpha mating factor prepro sequence. *Journal of Biotechnology*, **167(2)**, 2013, 94-100, ISSN 0168-1656 **(97)**

263. Suppi S, Michelson T, Viigand K, Alamäe T. Repression vs. activation of MOX, FMD, MPP1 and MAL1 promoters by sugars in Hansenula polymorpha: The outcome depends on cell's ability to phosphorylate sugar. *FEMS Yeast Research*, **13(2)**, 2013, 219-232, ISSN 1567-1364 **(97)**

264. Halecky M, Karlova P, Paca J, Stiborova M, Kozliak EI, Bajpai R, Sedlacek I. Biodegradation of a mixture of mononitrophenols in a packed-bed aerobic reactor. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **48(9)**, 2013, 989-999, ISSN 1093-4529 **(98)**

265. Halecky M, Paca J, Stiborova M, Kozliak EI, Maslanova I. Pollutant interactions during the biodegradation of phenolic mixtures with either 2-or 3-mononitrophenol in a continuously operated packed bed reactor. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **48(13)**, 2013, 1609-1618, ISSN 1093-4529 **(98)**

266. Imtiaz A, Farrukh MA, Khaleeq-ur-rahman M, Adnan R. Micelle-assisted synthesis of Al2O3·CaO nanocatalyst: optical properties and their applications in photodegradation of 2,4,6-trinitrophenol. *The Scientific World Journal*, 2013, 2013, article ID 641420, 11 pages, dx.doi.org/10.1155/2013/641420, ISSN 2356-6140 **(98)**

267. Kumar S, Arya D, Malhotra A, Kumar S, Kumar B. Biodegradation of dual phenolic substrates in simulated wastewater by *Gliomastix indicus* MTCC 3869. *Journal of Environmental Chemical Engineering* **1(4)**, 2013, 865–874, ISSN 2213-3437 **(98)**

268. Kumar A, Bhunia B, Dasgupta D, Mandal T, Dey A, Datta S, Bhattacharya P. Optimization of culture condition for growth and phenol degradation by *Alcaligenes faecalis* JF339228 using Taguchi Methodology. *Desalination and Water Treatment*, **51(16-18)**, 2013, 3153-3163, ISSN 1944-3994 **(98)**

269. Mandal S, Bhunia B, Kumar A, Dasgupta D, Mandal T, Datta S, Bhattacharya P. A statistical approach for optimization of media components for phenol degradation by *Alcaligenes faecalis* using Plackett–Burman and response surface methodology. *Desalination and Water Treatment*, **51(31-33)**, 2013, 6058-6069, ISSN 1944-3994 **(98)**

270. Margesin R. Ch. 21 Bioremediation and biodegradation of hydrocarbons by cold-adapted yeasts. cold-adapted yeasts., Eds: Pietro Buzzini, Rosa Margesin, Publisher Springer Berlin Heidelberg, 2014, 465-480. DOI: 10.1007/978-3-642-39681-6_21, **ISBN** 978-3-642-39680-9 **(98)**

271. Todea DA, Tonk S, Tiuc AE, Török A, Mânzatu C, Katona G, Majdi, C. Efficient degradation of phenol with *Pseudomonas putida* cells for the production of pure water. *Studia Universitatis Babes-Bolyai Chemia*, **58(3)**, 2013, 151-158. ISSN 1224-7154 **(98)**

272. Patrón-Prado M., Lodeiro P., Lluch-Cota D.B., Serviere-Zaragoza E., Casas-Valdez M., Zenteno-Savin T., Méndez-Rodriguez L. Efficiency of copper removal by *Sargassum sinicola* in batch and continuous systems. *J. Appl. Phycol.* **25(6)**, 2013, 1933-1937, ISSN 1573-5176 **(99).**

273. Mishra S.P. Adsorption of Cu and Zn on calcium alginate immobilized *Penecillium sp*. *Indian J. Chem. Technol.* **20(1),** 2013, 21-25, ISSN 0975-0991 **(99)**

274. Xu, X., Yan, H., Tang, J., Chen, J., Zhang, X. Polysaccharides in Lentinus edodes: Isolation, Structure, Immunomodulating Activity and Future Prospective . *Crit. Rev. Food Sci. Nutr.,* **54,** 2014, 4, 474-487, ISSN 1040-8398 **(100)**

275. Wang, J., Wang, H.-Y., Xia, X.-M., Li, P.-P., Wang, K.-Y. Inhibitory effect of sulfated lentinan and lentinan against tobacco mosaic virus (TMV) in tobacco seedlings. *Int. J. Biol. Macromolecul.,* **61**, 2013, 264-269 ISSN 0141-8130 **(100)**

276. Erkekoğ lu, P., Ali, A., Ceyhan, M., Kizilgün, M., Schweizer, U., Ataş, C., Kara, A., Koçer-Giray, B. Selenium levels, selenoenzyme activities and oxidant/ antioxidant parameters in h1n1-infected children. *Turkish Journal of Pediatrics*, **55(3),** 2013, 271-282, ISSN 0041-4301 **(101)**

277. Tripathi T., Abdi M., Alizadeh H. Role of phospholipase A_2 (PLA_2) inhibitors in attenuating apoptosis of the corneal epithelial cells and mitigation of Acanthamoeba keratitis. *Experimental Eye Research,* **13**, 2013, 182–191, ISSN 0014-4835 **(102)**

278. Kundzer A.V., Volkova M.V., Bogdanos D.P., Rodiger S., Schierack P., Generalov I., Nevinsky G.A., Roggenbuck D. Deoxyribonuclease activity of polyclonal IgGs: a putative serological marker in patients with spondyloarthritides. *Immunol Res,* **56**, 2013, 457, ISSN 0257-277X **(103)**

279. Berger M., McCallus D.E., Lin C.S. Rapid and reversible responses to IVIG in autoimmune neuromuscular diseases suggest mechanisms of action involving competition with functionally important autoantibodies. *Journal of the Peripheral Nervous Systemp: JPNS*, 2013, ISSN 1085-9489 **(104)**

280. Crow A.R., Yu H., Han D., Lazarus A.H. Amelioration of Murine Passive Immune Thrombocytopenia by IVIg and a Therapeutic Monoclonal CD44 Antibody Does Not Require the Myd88 Signaling Pathway. *PLoS ONE,* 8, 2013, ISSN 1932-6203 **(104)**

281. Fujii A., Kase Y., Suzuki C., Kamizono A., Imada T. An fc gamma receptor-mediated upregulation of the production of interleukin 10 by intravenous immunoglobulin in bone-marrow-derived mouse dendritic cells stimulated with lipopolysaccharide in vitro. *J Signal Transduct,* 2013, 2013, 239320, ISSN 2090-1739 **(104)**

282. Guillevin L. Pharmacoeconomics of immunoglobulins and indications for their use. *Current opinion in allergy and clinical immunology,* **13**, 2013, S53, ISSN 1528-4050 **(104)**

283. Massoud A.H., Yona M., Xue D., Chouiali F., Alturaihi H., Ablona A., Mourad W., Piccirillo C.A., Mazer B.D. Dendritic cell immunoreceptor: A novel receptor for intravenous immunoglobulin mediates induction of regulatory T cells. *The Journal of allergy and clinical immunology*, 2013, ISSN 0091-6749 **(104)**

284. Mouthon L., Fermand J.-P., Gottenberg J.-E. Management of secondary immune deficiencies: what is the role of immunoglobulins? *Current opinion in allergy and clinical immunology,* **13,** 2013, S56, ISSN 1528-4050 **(104)**

285. Prabagar M.G., Choi H.J., Park J.Y., Loh S., Kang Y.S. Intravenous immunoglobulin-mediated immunosuppression and the development of an IVIG substitute. *Clin Exp Med*, **1**, 2013, ISSN 1591-8890 **(104)**

286. Qian J., Wang L., Yuan X., Wang L., Chen, T. Dose-related regulatory effect of intravenous immunoglobulin on dendritic cells-mediated immune response. *Immunopharmacol Immunotoxicol,* **1**, 2013, ISSN 0892-3973 **(104)**

287. Spirig R., Schaub A., Kropf A., Miescher S., Spycher M.O., Rieben R. Reconstituted high-density lipoprotein modulates activation of human leukocytes. *PLoS ONE,* 8, 2013, e71235, ISSN 1932-6203 **(104)**

288. Zietara N., Lyszkiewicz M., Krueger A., Weiss S. B-cell modulation of dendritic-cell function: Signals from the far side. *Eur J Immunol*, 2013, ISSN 0014-2980 **(104)**

289. Barratt-Due A., Sokolov A., Gustavsen A., Hellerud B.C., Egge K., Pischke S.E., Lindstad J.K., Pharo A., Castellheim A., Thorgersen E.B., Mollnes T.E. Polyvalent immunoglobulin significantly attenuated the formation of IL-1β in Escherichia coli-induced sepsis in pigs. *Immunobiology,* **218**, 2013, 683, ISSN 0171-2985 **(104)**

290. Maddur M.S., Sharma M., Hegde P., Lacroix-Desmazes S., Kaveri S.V., Bayry J. Inhibitory Effect of IVIG on IL-17 Production by Th17 Cells is Independent of Anti-IL-17 Antibodies in the Immunoglobulin Preparations. *Journal of Clinical Immunology,* 33 (SUPPL.1), 2013, S62. ISSN 0271-9142 **(104)**

291. Özgen Z., Seçkin D. Immunmodulation in the treatment of dermatological diseases. *TÜRKDERM - Deri Hastalıkları ve Frengi Arşivi,* 47 (SUPPL.1), 2013, 46, ISSN 1019-214X **(104)**

292. Paquin-Proulx D., Santos B.A.N., Carvalho K.I., Toledo-Barros M., Barreto de Oliveira A.K., Kokron C.M., Kalil J., Mol, M., Kallas E.G., Sandberg J.K. IVIg Immune reconstitution treatment alleviates the state of persistent immune activation and suppressed CD4 T cell counts in CVID. *PLoS ONE,* **8**, 2013, ISSN 1932-6203 **(104)**

293. Trépanier P., St-Amour I., Bazin R. Cationized IVIg as a potential substitute to IVIg for the treatment of experimental immune thrombocytopenia. *International Immunopharmacology,* **16**, 2013, 409, ISSN 1567-5769 **(104)**

294. Xu, X., Yan, H., Tang, J., Chen, J., Zhang, X. Polysaccharides in Lentinus edodes: Isolation, Structure, Immunomodulating Activity and Future Prospective . *Crit. Rev. Food Sci. Nutr.,* **54**, 2014, 4, 474-487, ISSN 1040-8398 **(105)**

295. Wang, J., Wang, H.-Y., Xia, X.-M., Li, P.-P., Wang, K.-Y. Iinhibtory effect of sulfated lentinan and lentinan against tobacco mosaic virus (TMV) in tobacco seedlings. *Int. J. Biol. Macromolec.,* **61**, 2013, 264-269, ISSN 0141-8130 **(105)**

296. Weishaupt, M.W., Matthies, S., Seeberger, P.H. Automated solid-phase synthesis of a β-(1,3)-glucan dodecasaccharide. *Chemistry - A European Journal* **19**, 2013, 37, 12497-12503, ISSN 0947-6539 **(105)**

297. Wang, J., Li, X., Song, G. An efficient separation method of polysaccharides: Preparation of an antitumor polysaccharide APS-2 from Auricularia polytricha by radial flow chromatography. *Chromatographia* **76,** 2013, 11-12, 629-633, ISSN 0009-5893 **(105)**

298. Peek, H.W., Halkes, S.B.A., Tomassen, M.M.M., Mes, J.J., Landman, W.J.M. In vivo screening of five phytochemicals/extracts and a fungal immunomodulatory protein against colibacillosis in broilers. *Avian Pathol.,* **42**, 2013, 3, 235-247, ISSN 0307-9457 **(105)**

299. Feng, G., Wang, X., You, C., Cheng, X., Han, Z., Zong, L., Zhou, C., Zhang, M. Antiproliferative potential of Artemisia capillaris polysaccharide against human nasopharyngeal carcinoma cells. *Carbohyd. Polym.,* **92,** 2013, 2,1040-1045, ISSN 0144-8617 **(105)**

300. Suárez Arango, C., Nieto, I.J. Cultivo biotecnológico de macrohongos comestibles: Una alternativa en la obtención de nutracéuticos | [Biotechnological cultivation of edible macrofungi: An alternative for obtaining nutraceutics]. *Rev Iberoam Micol.,* **30**, 2013, 1, 1-8, ISSN 1130-1406 **(105)**

301. Mrozik W, Stefańska J. Adsorption and biodegradation of antidiabetic pharmaceuticals in soils. *Chemosphere* **95**, 2014, 281-288, ISSN 0045-6535 **(106)**

302. Litskas VD, Karamanlis XN, Batzias GC, Tsiouris SE. Are the parasiticidal avermectins resistant to dissipation in the environment? The case of eprinomectin. *Environment International* **60**, 2013, 48-55, ISSN 0160-4120 **(106)**

303. Winn KM, Bourne DG, Mitchell JG. Vibrio coralliilyticus Search Patterns across an Oxygen Gradient. *PLoS ONE* 8 (7), 2013, art. no. e67975, ISSN 1932-6203 **(106)**

304. Srisertpol J, Srinakorn P, Kheawnak A, Chamniprasart K. Estimation of biogas production from shrimp pond sediment using the artificial intelligence. *Applied Mechanics and Materials* 261-262, 2013, 695-700, ISSN 1660-9336 **(107)**

305. Lauwers J, Appels L, Thompson IP, Degrève J, Van Impe JF, Dewil R. Mathematical modelling of anaerobic digestion of biomass and waste: Power and limitations. *Progress in Energy and Combustion Science* **39(4)**, 2013, 383-402, ISSN 0360-1285 **(107)**

306. Paul T., Halder S.K., Das A., Bera S., Maity C., Mandal A., Das P.S., (...), Mondal K.C. Exploitation of chicken feather waste as a plant growth promoting agent using keratinase producing novel isolate *Paenibacillus woosongensis* TKB2**.** *Biocatal. Agric. Biotechnol.* **2(1)**, 2013, 50-57, ISSN 1878-8181 **(108)**

307. Pappa E.C., Massouras T., Sotirakoglou K., Kandarakis I. Formation of volatile compounds in Teleme cheese manufactured with mesophilic and thermophilic dairy starters. *Small Ruminant Research* **111**, 2013, 110-119, ISSN 0921-4488 **(109)**

308. Nieminen M.T., Novak-Frazer L., Collins R., Dawsey S., Dawsey S.M., Abnet C.C., White R.E., Freedman N.D., Mwachiro M.M., Bowyer P., Salaspuro M., Rautemaa R. Alcohol and acetaldehyde in African fermented milk mursik – A possible etiological factor for high incidence of esophageal cancer in westwern Kenya. *Cancer Epidemiology, Biomarkers & Prevention* **22**, 2013, 69-75, ISSN 1055-9965 **(109)**

309. Pogacic T., Sinko S., Zamberlin S., Samarzija D. Microbiota of kefir grains. *Mljekarstvo* **63**, 2013, 3-14, ISSN 0026-704X **(109)**

310. de Leonardis A., Lopez F., Nag A., Macciola V. Occurrence and persistence of diacetyl in unfermented and fermented milks. *European Food Research and Technology* **236**, 2013, 691-697, ISSN 1438-2385 **(109)**

311. Kok-Tas T., Seydim AC., Ozer B., Guzel-Seydim ZB. Effects of different fermentation parameters on quality characteristics of kefir. *Journal of Dairy Science* **96**, 2013, 780-789, ISSN 0022-0302 **(109)**

312. Pejic B. Kvalitet fermentisanog mlecnog napitka pakovanog u razlicitium uslovima (Quality of fermentad milk beverage packed under different conditions). *PhD Thesis,* 2013. University of Novi Sad, Faculty of Technology, Serbia, Novi Sad. **(109)**

313. Nambou K., Gao C., Zhou F., Guo B., Ai L., Wu Z.J. A novel approach of direct formulation of defined starter cultures for different kefir-like beverage production. *International Dairy Journal* 2013, DOI: 1016/j.idairyj.2013.03.013, ISSN 0958-6946 **(109)**

314. Cutzu R., Clemente A., Reis A., Nobre B., Mannazzu I., Roseiro J., Da Silva T.L. Assessment of β-carotene content, cell physiology and morphology of the yellow yeast *Rhodotorula glutinis* mutant 400A15 using flow cytometry. *Journal of Industrial Microbiology & Biotechnology* **40**, 2013, 865-875, ISSN 1367-5435 **(110)**

315. Yehia H.M., Al-Olayan E.M., Elkhadragy M.F., Khalaf-Allah A.E.R.M., El-Shimi N.M. Improvement of carotenoid pigments produced by *Rhodotorula glutinis*. *Life Science Journal* **10**, 2013, 386-400, ISSN 1097-8135 **(110)**

316. Thakur M., Azmi W. Nutraceutical β-carotene from natural non-conventional sources and its applications. *Annals of Phytomedicine* **2**, 2013, 59-73, ISSN 2278-9839 **(110)**

317. Cutzu R., Coi A., Rosso F., Bardi L., Ciani M., Budroni M., Zara G., Zara S., Mannazzu I. From crude glycerol to carotenoids by using a *Rhodotorula glutinis* mutant. *World Journal of Microbiology and Biotechnology* 29, 2013, 1009-1017, ISSN 0959-3993 **(111)**

318. Thakur M., Azmi W. Nutraceutical β-carotene from natural non-conventional sources and its applications. *Annals of Phytomedicine* **2,** 2013, 59-73, ISSN 2278-9839 **(111)**

319. Roychowdhury D., Majumder A., Jha S. Agrobacterium rhizogenes-Mediated Transformation in Medicinal Plants: Prospects and Challenges. *Biotechnology for Medicinal Plants*. pp. 29-68, 2013 DOI: 10.1007/978-3-642-29974-2_2, **ISBN** 978-3-642-29974-2 **(112)**

320. Sheludko Y., Gerasymenko I. Biosynthetic Potential of Hairy Roots for Production of New Natural Products. *Biotechnology for Medicinal Plants*. pp. 241-262, 2013, DOI: 10.1007/978-3-642-29974-2_10, **ISBN** 978-3-642-29974-2**(112)**

321. Gaire, B.P., Subedi, L. A review on the pharmacological and toxicological aspects of *Datura stramonium* L. *Journal of Chinese Integrative Medicine*, **11(2)**, 2013 73-79, ISSN 1672-1977 **(112)**

322. Singh L.R., Singh O.M. *Datura stramonium*: An overview of its phytochemistry and pharmacognosy. *Research Journal of Pharmacognosy and Phytochemistry*. 5(3), 2013, 143-148, ISSN 2278-4136 **(112)**

323. Sivanandhan G., Dev G. K., Jeyaraj M., Rajesh M., Arjunan A., Muthuselvam M., Manickavasagam M., Selvaraj N., Ganapathi A. Increased production of withanolide A, withanone, and withaferin A in hairy root cultures of *Withania somnifera* (L.) Dunal elicited with methyl jasmonate and salicylic acid. *Plant Cell, Tissue and Organ Culture*, **114**, 2013, 121–129, ISSN 0167-6857 **(113)**

324. Sharma S., Shahzad A., Sahai A. Hairy root culture: An efficient system for secondary metabolite production. In: Recent Trends in Biotechnology and Therapeutic Applications of Medicinal Plants (Shahid M., Shahzad A., Malik A., Sahai A. Eds.), *Springer Netherlands*, 2013, 51-78, ISBN 978-94-007-6602-0 **(113)**

325. Delatorre P., Silva-Filho J.C., Rocha B.A.M., Santi-Gadelha T., Batista daNobrega R., Gadelha C.A.A., do Nascimento K.S., Nagano C.S., Sampajo A.H., Cavada B.S. Interactions between indole-3-acetic acid (IAA) with a lectin from *Canavalia maritima* seeds reveal a new function for lectins in plant physiology. *Biochimie* **95,** 2013, 1697-1703, ISSN 0300-9084 **(114)**

326. Kadam RU, Garg S, Schwartz J, Visini R, Sattler M, Tocker SA , Darbre T, Reymond JL.CH-π "T-Shape" Interaction with Histidine Explains Binding of Aromatic Galactosides to Pseudomonas aeruginosa lectin LecA. *ACS Chem Biol*. **20,** 2013, 1925-1930, ISSN 1554-8929, e-ISSN 1554-8937 **(114)**

327. Bracco P, Janssen DB, Schallmey A. Selective steroid oxyfunctionalisation by CYP154C5, a bacterial cytochrome P450. *Microbial Cell Factory,*12, 2013, art. no. 95, ISSN 1475-2859 (115)

328. Costa S, Giovannini PP, Fantin G, Medici A, Pedrini P. New 9,10-secosteroids from biotransformations of hyodeoxycholic acid with *Rhodococcus spp*. *Helvetica Chimica Acta,* **96,** 2013, 1062-1071, ISSN 0018-019X **(115)**

329. Elsebai MF, Kehraus S, König GM. Caught between triterpene-and steroid-metabolism: 4a-Carboxylic pregnane-derivative from the marine alga-derived fungus *Phaeosphaeria spartinae*. *Steroids,* **78**, 2013, 880-883, ISSN 0039-128X **(115)**

330. Geier M, Braun A, Fladischer P, Stepniak P, Rudroff F, Hametner C, Mihovilovic MD, Glieder A. Double site saturation mutagenesis of the human cytochrome P450 2D6 results in regioselective steroid hydroxylation. *FEBS Journal,* **280**, 2013, 3094-3108, ISSN 1742-464X **(115)**

331. Holert J, Jagmann N, Philip B. The essential function of genes for a hydratase and an aldehyde dehydrogenase for growth of *Pseudomonas sp*. strain chol1 with the steroid compound cholate indicates an aldolytic reaction step for deacetylation of the side chain. *Journal of Bacteriology,* **195**, 2013, 3371-3380, ISSN 0021-9193 **(115)**

332. Jiang D, Tu R, Bai P, Wang, Q. A simple colorimetric method for detection of 16,17-epoxyprogesterone. *Chemistry Letters,* **42**, 2013, 1007-1009, ISSN 0366-7022 **(115)**

333. Mao S, Hua B, Wang N, Hu X, Ge Z, Li Y, Liu S, Lu F. 11α hydroxylation of 16α, 17-epoxyprogesterone in biphasic ionic liquid/water system by *Aspergillus ochraceus*. *Journal of Chemical Technology and Biotechnology,* **88**, 2013, 287-292, ISSN 0268-2575 **(115)**

334. Mohamed SS, El-Refai A-MH, El-Raoof Sallam LA, Abo-Zied KM, Hashem A-GM, Ali HA. Biotransformation of progesterone to hydroxysteroid derivatives by whole cells of Mucor racemosus. *Malaysian Journal of Microbiology.* **9**, 2013, 237-244, ISSN 1823-8262 **(115)**

335. Quintana PG, Romero SM, Vaamonde G, Baldessari A. New metabolites of drospirenone obtained in Mucorales fungi culture. Journal of Molecular Catalysis B-Enzymatic, **97**, 2013, 110-117, ISSN 1381-1177 **(115)**

336. Shah SAA, Sultan S, Hassan NB, Muhammad FKB, Faridz MABM, Hussain FBM, Hussain M, Adnan HS. Biotransformation of 17α-ethynyl substituted steroidal drugs with microbial and plant cell cultures: A review. *Steroids,* **78**, 2013, 1312-1324, ISSN 0039-128X **(115)**

337. Saifullah Khan S, Azizuddin Choudhary MI. Potential of Azadirachta indica cell suspension culture to produce biologically active metabolites of dehydroepiandrosterone. *Chemistry of Natural Compounds,* **49**, 2013, 671-676, ISSN 0009-3130 **(115)**

338. Wang P-H, Lee T-H, Ismail W, Tsai C-Y, Lin C-W, Tsai Y-W, Chiang Y-R. An Oxygenase-Independent Cholesterol Catabolic Pathway Operates under Oxic Conditions. *PLoS ONE* 8, art. no. e66675, 2013, ISSN 1932-6203 **(115)**

339. Wang P-H, Leu Y-L, Ismail W, Tang S-L, Tsai C-Y, Chen H-J, Kao A-T, Chiang Y-R. Anaerobic and aerobic cleavage of the steroid core ring structure by *Steroidobacter denitrificans*. *Journal of Lipid Research,* **54**, 2013, 1493-1504, ISSN 0022-2275 **(115)**

340. Yan W, Ji L, Hang S, Shun Y. New ionic liquid-based preparative method for diosgenin from Rhizoma dioscoreae nipponicae. *Pharmacognosy Magazine,* 9, 2013, 250-254, ISSN 0973-1296 **(115)**Yang HY, Su HL, Du G, Shen GJ, Sun JX, Chen HY. Progesterone side-chain cleavage by aspergillus versicolor. *Advanced Materials Research,* 781-784, 2013, 1164-1167, ISSN 1022-6680 **(115)**

341. Yang C, Fan H, Yuan Y, Gao J. Microbial transformation of pregnane-3β,16β,20-triol by Cunninghamella echinulata. *Chinese Journal of Chemistry,* **31**, 2013, 127-131, ISSN 1001-604X **(115)**

342. Yildirim K, Saran H, Dolu OF, Kuru A. Biotransformation of some steroids by Mucor hiemalis MRC 70325. *Journal of Chemical Research,* **37**, 2013, 566-569, ISSN 1747-5198, **(115)**

343. Yu LD, Zheng TX, Zhu YL. Microbial transformation of saponins in Dioscorea zingiberensis for diosgenin production with Trichoderma reesei. *Advanced Materials Research,* **709**, 2013, 805-809, ISSN 1022-6680 **(115)**

344. Zafar S, Bibi M, Yousuf S, Choudhary MI. New metabolites from fungal biotransformation of an oral contraceptive agent: Methyloestrenolone. *Steroids,* **78**, 2013, 418-425, ISSN 0039-128X **(115)**

345. Zhang H, Ren J, Wang Y, Sheng C, Wu Q, Diao A, Zhu D. Effective multi-step functional biotransformations of steroids by a newly isolated *Fusarium oxysporum* SC1301. *Tetrahedron,* **69**, 2013, 184-189, ISSN 0040-4020 **(115)**

346. Zhang X-Y, Peng Y, Su Z-R, Chen Q-H, Ruan H, He G-Q. Optimization of biotransformation from phytosterol to androstenedione by a mutant *Mycobacterium*

neoaurum ZJUVN-08. *Journal of Zhejiang University Science B,* **14**, 2013, 132-143, ISSN 1673-1581 **(115)**

347. Zhang W, Shao M, Rao Z, Xu M, Zhang X, Yang T, Li H, Xu Z. Bioconversion of 4-androstene-3,17-dione to androst-1,4-diene-3,17-dione by recombinant *Bacillus subtilis* expressing ksdd gene encoding 3-ketosteroid-Δ1-dehydrogenase from *Mycobacterium neoaurum* JC-12. *Journal of Steroid Biochemistry and Molecular Biology,* 135, 2013, **(115)**
348. Domingues PM, Louvado A, Oliveira V, Coelho FJCR, Almeida A, Gomes NCM, Cunha A. Selective cultures for the isolation of biosurfactant producing bacteria: Comparison of different combinations of environmental inocula and hydrophobic carbon sources. *Preparative Biochemistry and Biotechnology*, **43**, 2013, 237-255, ISSN 1082-6068 **(116)**
349. Guerra P, Amacosta J, Poznyak T, Siles S, García A, Chairez I. Chapter 14. Aerobic Biodegradation Coupled to Preliminary Ozonation for the Treatment of Model and Real Residual Water. In: Biodegradation - Engineering and Technology, Eds: Chamy R. and Rosenkranz F., Publisher: InTech, 2013, 365-387 **ISBN** 978-953-51-1153-5 **(117)**
350. Johnson EA, Biotechnology of non-*Saccharomyces* yeasts—the basidiomycetes. *Applied Microbiology and Biotechnology*, **97(17)**, 2013, 7563-7577, ISSN 0175-7598 **(117)**
351. Kafilzadeh F, Dehghani F, Farhangdoost MS. Isolation and identification of phenol-degrading bacteria from Kor River and growth kinetics. *Yafte journal of medical scienes (YJMS)*, **14 (5),** 2013, 73-81 **(117)**
352. Zhang X, Factors affecting petroleum-contaminated soil immobilized microbial remediation. *Journal of Environmental Engineering*, **7.**003, 2013, 1156-1162 **(117)**
353. Masomian M, Rahman RNZRA, Salleh AB, Basri M. A new thermostable and organic solvent-tolerant lipase from *Aneurinibacillus thermoaerophilus* strain HZ. *Process Biochem.,* **48(1)**, 2013, 169-175, ISSN 1359-5113 **(118)**
354. Esakkiraj P, Nawas PMA, Thomas SK, Maruthiah T, Palavesam A, Immanuel G. Solid-state lipase production by *Staphylococcus cohnii* AP-CMST using anchovy processing wastes. *J. Pure Appl. Microbiol.,* **7(1)**, 2013, 637-644, ISSN 0973-7510 **(118)**
355. Carvalho NB, Barbosa JMP, Oliveira MVS, Fricks AT, Lima AS, Soares CMF. Biochemical properties of *Bacillus* sp. ITP-001 lipase immobilized with a sol gel process. *Quim. Nova,* **36(1),** 2013, 52-58, ISSN 0100-4042 **(118)**
356. Muñoz PA, Correa-Llantén DN, Blamey JM. Production, purification and partial characterization of four lipases from a thermophile isolated from Deception Island. *Lipids,* **48(5)**, 2013, 527-533, ISSN 0024-4201 **(118)**
357. Lailaja VP, Chandrasekaran M. Detergent compatible alkaline lipase produced by marine *Bacillus smithii* BTMS 11. *World J. Microbiol. Biotechnol.,* 29(8), 2013, 1349-1360, ISSN 0959-3993 **(118)**
358. Emtenani S, Asoodeh A, Emtenani S. Molecular cloning of a thermo-alkaliphilic lipase from *Bacillus subtilis* DR8806: Expression and biochemical characterization. *Process Biochem.,* 48(11), 2013, 1679-1685, ISSN 1359-5113 **(118)**

359. Chauhan M, Garlapati VK. Production and Characterization of a Halo-, Solvent-, Thermo-tolerant Alkaline Lipase by *Staphylococcus arlettae* JPBW-1, Isolated from Rock Salt Mine. *Appl. Biochem. Biotechnol*., **171(6),** 2013, 1429-1443, ISSN 0273-2289 **(118)**

360. Bora L. Purification and Characterization of Highly Alkaline Lipase from *Bacillus licheniformis* MTCC 2465: and Study of its Detergent Compatibility and Applicability. *J. Surfactants Deterg*., 2013, DOI 10.1007/s11743-013-1517-6, ISSN 1097-3958 **(118)**

361. Gopalakrishnan. Studies on Marine Microbes of West Coast of India for their Potential to produce industrially important Enzymes. For the degree of Doctor Of Philosophy In Microbiology, 2013, Maharaja Krishnakumarsinhji Bhavnagar University, Department of Microbiology **(118)**

362. Muthukumaresan TK. Studies on lipase from Aeromonas veronii PG01. A Thesis in partial fulfilment for the award of the degree of Doctor of Philosophy, 2013, Anna University, Faculty of Science and Humanities **(118)**

363. Cheng X, Pu Y-g, Zhu C-x, Ren Z-l, Jiang M-x, Chen Y, Zhang B-c. Screening of thermophilic neutral lipase-producing *Pseudomonas* sp. ZBC1 and improving its enzymatic activity. *Afr. J. Biotechnol*., **12(9),** 2013, 949-957, ISSN 1684-5315 **(118)**

364. Zulkifli SNIB. Immobilization of *Escherichia coli* producing recombinant cyclodextrin glucanotransferase using hollow fiber membrane. A report submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Engineering (Chemical - Bioprocess), 2013, Faculty of Chemical Engineering, Universiti Teknologi Malaysia **(119)**

365. Xiao Q-y, Xia Y-m. Immobilized cyclodextrin glycosyltransferase in catalyzing transglycosylation. *China Food Additives*, **1**, 2013, 116-120, ISSN 1006-2513 **(119)**

366. Okolonkwo B., Nwachuku E. The antioxidant effects of vitamin c on liver enzymes-SGOT, SGPT, ALP and GGT activities in rats under Paraquat insult, *Journal of Xenobiotics*, 3, 2013, ISSN 2039-4713 **(120)**

367. Boedeker C., Karsten U., Leliaert F., Zuccarello GC.Molecular, biochemical and morphological data suggest an affiliation of *Spongiochrysis hawaiiensis* with the *Trentepohliales (Ulvophyceae, Chlorophyta). Phycological Research*, **2**, 61, 2013, 133-144, ISSN 0862-8408 **(121)**

368. Toreti VC., Sato HH., Pastore GM., Park YK. Recent progress of propolis for its biological and chemical compositions and its botanical origin. *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 697390, ISSN 1741-427X **(122)**

369. Mărghitaş LA., Dezmirean DS., Bobiş O. Important developments in romanian propolis research. *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 159392, ISSN 1741-427X (122)

370. Kumar S., Sharma S., Chattopadhyay SK. The potential health benefit of polyisoprenylated benzophenones from Garcinia and related genera: Ethnobotanical and therapeutic importance. *Fitoterapia*, 1, **89**, 2013, 86-125, ISSN 0367-326X **(122)**

371. López BG-C., Schmidt EM., Eberlin MN., Sawaya ACHF. Phytochemical markers of different types of red propolis. *Food Chemistry*, **146**, 2014, 174-180, ISSN 0308-8146 **(122)**

372. Li DG., Liu B., Zhou DW. Structural characterization of enzymatic products in the dTDP-d-Qui4NFo biosynthetic pathway using electrospray ionization tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **6, 27**, 2013, 681-690, ISSN 0951-4198 **(123)**

373. Vinogradov EV., Bogdanove AJ. Requirement of the lipopolysaccharide O-chain biosynthesis gene wxocB for type III secretion and virulence of *Xanthomonas oryzae pv. Oryzicola Wang, L. Journal of Bacteriology*, 9, **195**, 2013, 1959-1969, ISSN 0021-9193 **(123)**

374. Kaszowska M., Jachymek W., Lukasiewicz J., Niedziela T., Kenne L., Lugowski C. The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)-α-D-Glcp (α-D-Lenose). *Carbohydrate Research*, **378**, 2013, 98-107, ISSN 0008-6215 **(123)**

375. Ruan X., Valvano MA. In vitro O-antigen ligase assay. *Methods in Molecular Biology*, **1022**, 2013, 185-197, ISSN 1064-3745 **(123)**

376. Zammarelli N. *et al*. Grafting-from" Polymerization of PMMA from Stainless Steel Surfaces by a RAFT-mediated Polymerization Process. *Langmuir* **29.41**, 2013, 12834-12843, ISSN 0743-7463 **(124)**

377. Yao D. *et al*. Shaped Core/shell Polymer Nanoobjects with High Antibacterial Activities via Block Copolymer Microphase Separation. *Polymer.* **54**, 2013, 3485-3491, ISSN 0032-3861 **(124)**

378. Lafarge Jérôme *et al.* Design of self-disinfecting PVC surfaces using the click chemistry. *Reactive and Functional Polymers* **73, 11**, 2013, 1464-1472, ISSN 1381-5148 **(124)**

379. Chams Amani *et al.* Direct growth of polymer brushes from an electrodeposited conducting poly (dithienylpyrrole) layer functionalized with ATRP initiating moieties. *Journal of Electroanalytical Chemistry* **708**, 2013, 20-30**,** ISSN 1572-6657 **(124)**

380. Feyzdar M, Vali AR, Babaeipour V. Identification and optimization of recombinant E. coli fed-batch fermentation producing γ-interferon protein. *International Journal of Chemical Reactor Engineering* **11(1)**, 2013, ISSN 1542-6580 **(125)**

381. Okoroma E.A., Purchase D., Garelick H., Morris R., Neale M.H., Windl O., Abiola O.O. Enzymatic formulation capable of degrading scrapie prion under mild digestion conditions. PLoS ONE 8(7), 2013, art. no. e68099 **(126)**

382. Gupta R., Sharma R., Beg Q.K. Revisiting microbial keratinases: Next generation proteases for sustainable biotechnology. *Crit. Rev. Biotechnol.* **33(2)**, 2013, 216-228, ISSN 1549-7801 **(126)**

383. Rajput R., Gupta R. Thermostable keratinase from *Bacillus pumilus* KS12: Production, chitin crosslinking and degradation of Sup35NM aggregates. *Biores. Technol.* **133**, 2013, 118-126, ISSN 0960-8524 **(126)**

384. Booth C.J., Johnson C.J., Pedersen J.A. Microbial and enzymatic inactivation of prions in soil environments. *Soil Biol. Biochem.* **59**, 2013, 1-15, ISSN 0038-0717 **(126)**

385. Piontek J, Borchard C, Sperling M, Schulz KG, Riebesell U, Engel A. Response of bacterioplankton activity in an Arctic fjord system to elevated pCO2: Results from a mesocosm perturbation study. *Biogeosciences,* **10(1)**, 2013, 297-314, ISSN 1726-4170 **(127)**

386. Canion A, Prakash O, Green SJ, Jahnke L, Kuypers MMM, Kostka JE. Isolation and physiological characterization of psychrophilic denitrifying bacteria from permanently cold Arctic fjord sediments (Svalbard, Norway). *Environ. Microbiol.,* **15(5),** 2013, 1606-1618, ISSN 1462-2912 **(127)**

387. Zeng Y, Yu Y, Li H, He J, Lee SH, Sun K. Phylogenetic diversity of planktonic bacteria in the Chukchi Borderland region in summer. *Acta Oceanol. Sin.,* **32(6),** 2013, 66-74, ISSN 0253-505X **(127)**

388. Piñar G, Piombino-Mascali D, Maixner F, Zink A, Sterflinger K. Microbial survey of the mummies from the capuchin catacombs of Palermo, Italy: Biodeterioration risk and contamination of the indoor air. *FEMS Microbiol. Ecol.,* **86(2),** 2013, 341-356, ISSN 0168-6496 **(127)**

389. Prasad S, Manasa P, Buddhi S, Tirunagari P, Begum Z, Rajan S, Shivaji S. Diversity and Bioprospective Potential (Cold-Active Enzymes) of Cultivable Marine Bacteria from the Subarctic Glacial Fjord, Kongsfjorden. *Curr. Microbiol*., 2013, DOI 10.1007/s00284-013-0467-6, ISSN 0343-8651 **(127)**

390. Møller AK, Søborg DA, Al-Soud WA, Sørensen SJ, Kroer N. Bacterial community structure in High-Arctic snow and freshwater as revealed by pyrosequencing of 16S rRNA genes and cultivation. *Polar Res.,* **32**, 2013, 17390, http://dx.doi.org/10.3402/polar.v32i0.17390, ISSN 0800-0395 **(127)**

391. Wang Y, Li P, Li B, Webster G, Weightman AJ, Jiang Z, Jiang D, Deng Y, Wang Y. Bacterial Diversity and Community Structure in High Arsenic Aquifers in Hetao Plain of Inner Mongolia, China. *Geomicrobiol. J.*, 2013, DOI: 10.1080/01490451.2013.835886*,* ISSN 0149-0451 **(127)**

392. Fuchs TM, Neuhaus K, Scherer S. Life at Low Temperatures. The Prokaryotes. Editors Rosenberg E, DeLong EF, Lory S, Stackebrandt E, Thompson F, Springer, 2013, 375-420, ISBN 978-3-642-30122-3 **(127)**

393. El-Sharouny EE, Belal MA, Yusef HH. Isolation and Characterization of Two Novel local Psychrotolerant *Kocuria* spp. with High Affinity towards Metal Cations Biosorption. *Life Sci. J.*, **10(4),** 2013, 1721-1737, ISSN 1097-8135 **(127)**

394. Bowman JP. Sea-Ice Microbial Communities. The Prokaryotes. Editors Rosenberg E, DeLong EF, Lory S, Stackebrandt E, Thompson F., Springer, 2013, 139-161, ISBN 978-3-642-30122-3 **(127)**

395. Xin Y-J, Wu P-C, Cao X-P, Xue S. Isolation and diversity of crude oil-degrading bacteria from Dalian Bay. *Microbiol. China*, **40(6),** 2013, 979−987, ISSN 0253-2654 **(127)**

396. Maji F, Duzong J, Luo W, Yu Y, Zeng Y, Bo, Li H-r . Pulitzer Bay Antarctic summer sea ice at different levels of bacterial abundance and diversity. *Acta Microbiol. Sin*., **53(2),** 2013, 185-196, ISSN 0001-6209 **(127)**

397. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar KS, Pandey A. 2013. Studies on structural and physical characteristics of a novelexopolysaccharide

from Pseudozyma sp. NII 08165 *International Journal of Biological Macromolecules* **59**, 2013, 84-89, ISSN 0141-8130 **(128)**

398. Mahapatra S. and Banerjee D. 2013. Fungal Exopolysaccharide: Production, Composition and Applications. *Microbiology Insights* **6**, 2013, 1–16, ISSN 1178-6361 **(128)**
399. Erdal P., Okmen G. Microbial pigments used in foods. *Turk Bilimsel Derlemeler Dergisi* **6**, 2013, 5872, ISSN 1308-0040 **(129)**
400. Si O., Wang H., Du C., Zhang W., Qian H. Tentative identification of torulene cis/trans geometrical isomers isolated from *Sporodiobolus pararoseus* by high-performance liquid chromatography-diode array detection-mass spectrometry and preparation by column chromatography. *Analytical Sciences* **29**, 2013, 997-1002, ISSN 0910-6340 **(129)**
401. Naghavi F.S., Hanachi P., Soudi M.R., Saboora A., Gorbani A. Evaluation of the relationship between the incubation time and carotenoid production in *Rhodotorula slooffiae* and *R. mucilaginosa* isolated from Leather Tanning wasterwater. *Iranian Journal of Basic Medical Sciences* **16**, 2013, 1114-1118, ISSN 2008-3866 **(130)**
402. Goncalves S., Anabela R. *In vitro* culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites. *Biotechnology Advances* **31**, 2013, 166-174, ISSN 0734-9750 **(131)**
403. Jaremicz Z., Luczkiewicz M., Kisiel M., Zárate R., El Jaber-Vazdekis N., Migasa P. Multi-development–HPTLC Method for Quantitation of Hyoscyamine, Scopolamine and their Biosynthetic Precursors in Selected Solanaceae Plants Grown in Natural Conditions and as In Vitro Cultures. Phytochemical Analysis. in press, 2013, DOI 10.1002/pca.2455, ISSN 1099-1565 **(132)**
404. Boehmler J. Well-controlled and well-described SAMs-based platforms for the study of material-bacteria interactions occurring at the molecular stale. These presentee pour obtenir le grade de Docteur de lÚniversite Haute-Alsace, 2013 **(133)**
405. Amin F., Bano B. Studies on interaction of buffalo brain cystatin with donepezil: an Alzheimer's drug. *Int J Alzheimer's Dis* 2013, vol 2013, Article ID 842689, http//dx.doLorg/10.1155/2013/842689, ISSN 2090-8024, e-ISSN 2090-0252 **(134)**
406. Nevmerzhitskaya Y.Y., Timofeeva O.A., Mikhaylov A.L., Strobykina I.Y., Mironov V.F. Stevioside increases the resistance of winter wheat to low temperatures and heavy metals. Doklady Biological sciences **452(1),** 2013, 287-290, ISSN 0012-4966, e-ISSN 1608-3105 **(134)**
407. Barnabas J, Saha S, Singh V, Das S. Effect of enzyme extracts on bacterial degradation of Garage petroleum oils. *Journal of Environmental Sciences*, **2**, 2013, 206-211, ISSN 1001-0742 **(135)**
408. Dziegielewska E, Adamczak M. Evaluation of waste products in the synthesis of surfactants by yeasts. *Chemical. Papers*, **67**, 2013, 1113-1122, ISSN 0366-6352 **(135)**
409. Singh N, Pemmaraju SC, Pruthi PA, Cameotra SS, Pruthi V. *Candida* Biofilm Disrupting Ability of Di-rhamnolipid (RL-2) Produced from *Pseudomonas aeruginosa* DSVP20. *Applied Biochemistry and Biotechnology,* **169**, 2013, 2374-2391, ISSN 0273-2289 **(136)**

410. Shukla KP, Sharma S, Singh NK, Singh V. Prospecting *Bacillus* species isolated from rhizosphere of Calotropis plant for biodegradation of polycyclic aromatic hydrocarbons . *Journal of Pure and Applied Microbiology,* **7**, 2013, 587-593, ISSN 0973-7510 **(137)**

411. Mao S, Hua B, Wang N, Hu X, Ge Z, Li Y, Liu S, Lu F. 11α hydroxylation of 16α, 17-epoxyprogesterone in biphasic ionic liquid/water system by *Aspergillus ochraceus*. *Journal of Chemical Technology and Biotechnology,* **88**, 2013, 287-292, ISSN 0268-2575 **(138)**

412. Abedin RMA, Barakat KMI. Evaluation of medium components using plackett-burman design for phenol degradation by marine degrading *Fusarium oxysporum*. *African Journal of Microbiology Research* **7(7)**, 2013, 541-550, ISSN 1996-0808 **(139)**

413. Basak B, Bhunia B, Mukherjee S, Dey A. Optimization of physicochemical parameters for phenol biodegradation by *Candida tropicalis* PHB5 using taguchi methodology. *Desalination and Water Treatment*, **51(34-36)**, 2013, 6846-6862, ISSN 1944-3994 **(139)**

414. Jalayeri H, Doulati Ardejani F, Marandi R, Rafiee pur S. Biodegradation of phenol from a synthetic aqueous system using acclimatized activated sludge. *Arabian Journal of Geosciences*, **6(10)**, 2013, 3847-3852, ISSN 1802-6222 **(139)**

415. Kumar S, Arya D, Malhotra A, Kumar S, Kumar B. Biodegradation of dual phenolic substrates in simulated wastewater by *Gliomastix indicus* MTCC 3869. *Journal of Environmental Chemical Engineering* **1(4)**, 2013, 865–874, ISSN 2213-3437 **(139)**

416. Elsaoud A, Tuleukhanov S. Can He-Ne laser induce changes in oxidative stress and antioxidant activities of wheat cultivars from Kazakhstan and Egypt? *Science International Heal. Env.*, 1, 2013; 39-50. DOI:10.5567/sciintl.2013.39.50. ISSN 2305-1884 **(140)**

417. Whelan S.F.J., Hofbauer C.J., Horling F.M., Allacher P., Wolfsegger M.J., Oldenburg J., Male C., Windyga J., Tiede A., Schwarz H.P., Scheiflinger F., Reipert B.M. Distinct characteristics of antibody responses against factor VIII in healthy individuals and in different cohorts of hemophilia A patients. *Blood*, **121**, 2013, 1039-1048, ISSN 0006-4971 **(141)**

418. Buchacher, A., Kaar, W. Intravenous Immunoglobulin G from human plasma – purification concepts and important quality criteria. In: *Production of plasma proteins for therapeutic use, 2013*. **ISBN** 978-0-470-92431-0; p 185-205 **(141)**

419. Liang P.Y., Li H.Y., Zhou Z.Y., Jin Y.X., Wang S.X., Peng X.H., Ou S.J. Overexpression of immunoglobulin G prompts cell proliferation and inhibits cell apoptosis in human urothelial carcinoma. *Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine,* **34**, 2013, 1783, ISSN 1010-4283 **(142)**

420. Sauer J., Abou Hachem M., Svensson B., Jensen K.J., Thygesen M.B. Kinetic analysis of inhibition of glucoamylase and active site mutants via chemoselective oxime immobilization of acarbose on SPR chip surfaces. *Carbohydr Res* **375,** 2013, 21, ISSN 0008-6215 **(142)**

421. Suarez-Pantaleon C., Huet A.C., Kavanagh O., Lei H., Dervilly-Pinel G., Le Bizec B., Situ C., Delahaut P. Production of polyclonal antibodies directed to recombinant methionyl bovine somatotropin. *Anal Chim Acta* **761**, 2013, 186, ISSN 0003-2670 **(142)**
422. Hammiche V., Azzouz M. Les rues: ethnobotanique, phytopharmacologie et toxicité | [The rues: Ethnobotany, phytopharmacology and toxicity]. *Phytotherapie*, **1, 11**, 2013, 22-30, ISSN 1624-8597 **(143)**
423. El-Sayed MA., Kamel MM., El-Raei MA., Osman SM., Gamil L., Abbas HA. Study of antibacterial activity of some plant extracts against Enterohemorrhagic *Escherichia coli* O157:H7. *Research Journal of Pharmacy and Technology*, **8, 6**, 2013, 916-919, ISSN 0974-3618 **(143)**
424. De Medeiros PM., Ladio AH., Albuquerque UP. Patterns of medicinal plant use by inhabitants of Brazilian urban and rural areas: A macroscale investigation based on available literature. *Journal of Ethnopharmacology*, **2, 150,** 2013, 729-746, ISSN 0378-8741 **(143)**
425. Martinho APV., Franco MMJ., Ribeiro MG., Perrotti IBM., Mangia SH., Megid J., Vulcano LC., (...), Paes AC. Case report: Disseminated *Mycobacterium tuberculosis* infection in a dog. *American Journal of Tropical Medicine and Hygiene*, **3**, 88, 2013, 596-600, ISSN 0002-9637 **(144)**
426. Weishaupt M.W., Matthies S., Seeberger P.H. Automated Solid-Phase Synthesis of a β-(1, 3)-Glucan Dodecasaccharide. *Chemistry-A European Journal* **19.37**, 2013, 12497-12503, ISSN 1521-3765 (145)
427. Shakya Akhilesh Kumar; Kutty Selva Nandakumar. Applications of polymeric adjuvants in studying autoimmune responses and vaccination against infectious diseases. *Journal of the Royal Society Interface* **10.79,** 2013. ISSN 1742-5662 **(146)**
428. Rosu V., Bandino E., Cossu A. Unraveling the transcriptional regulatory networks associated to mycobacterial cell wall defective form induction by glycine and lysozyme treatment. Microbiol. Res. **30,** 2013, 153-164, ISSN 0944-5013 **(147)**
429. Siddique S., Syed Q., Adnan A., Nadeem M., Irfan M., Qureshi F.A. Production of avermectin B1b from streptomyces avermitilis 41445 by batch submerged fermentation. *Jundishapur J. Microbiol.* **6(8),** 2013, art. no. e7198, ISSN 2009-4161 **(148)**
430. Manivasagan P., Venkatesan J., Sivakumar K., Kim S.-K. Marine actinobacterial metabolites: Current status and future perspectives. *Microbiol. Res.* **168(6),** 2013, 311-332, ISSN 0944-5013 **(148)**
431. Nishanth S.K., Nambisan B., Mohandas C. Antifungal activity of crude extract produced by *Bacillus sp*. associated with entomopathogenic nematode from media formulated by six nitrogen sources with fructose against *Penicillium* expansum. *Arch. Phytopathol. Plant Protec.* **46(10)**, 2013, 1222-1229, ISSN 1477-2906 **(148)**
432. Nishanth S.K., Nambisan B., Mohandas C. Impact of beef extract and six carbon source on antifungal metabolites production by bacterium associated with entomopathogenic nematode against *Fusarium oxysporum*. *Arch. Phytopathol. Plant Protec.* **46(8)**, 2013, 962-970, ISSN 1477-2906 **(148)**
433. Nishanth K., Nambisan B., Ramya R., Mohandas C. Influence of carbon and nitrogen sources on antifungal metabolite production by bacterium associated with

entomopathogenic nematode against *Penicillium* expansum. *Arch. Phytopathol. Plant Protec.* **46(6)**, 2013, 721-731, ISSN 1477-2906 **(148)**

434. Ilić S.B., Konstantinović S.S., Gojgić Cvijović G.C.D.S., Savić D.S., Veljković V.B. The impact of glycerol and some carbohydrates on antibiotic production by *Streptomyces hygroscopicus* CH-7. *Medicin. Chem. Res.* **22(2)**, 2013, 934-937, ISSN 1554-8120 **(148)**

435. Sakr A.A., Ghaly M.F., Ali M.F., Abdel-Haliem M.E.F. Biodeterioration of binding media in tempera paintings by *Streptomyces* isolated from some ancient Egyptian paintings. *African J. Biotechnol.* **12**, 2013, 1644-1656, ISSN 0959-3993 **(149)**

436. Paul T., Halder S.K., Das A., Bera S., Maity C., Mandal A., Das P.S., Das Mohapatra P.K., Pati B.R., Mondal K.C. Exploitation of chicken feather waste as a plant growth promoting agent using keratinase producing novel isolate *Paenibacillus woosongensis* TKB2. *Biocatal. Agric. Biotechnol.* **2**, 2013, 50-57, ISSN 1878-8181 **(150)**

437. Al-Musallam A.A., Al-Gharabally D.H., Vadakkancheril N. Biodegradation of keratin in mineral-based feather medium by thermophilic strains of a new *Coprinopsis* sp. *Int. Biodeterior. Biodegrad.* **79**, 2013, 42-48, ISSN 0964-8305 **(150)**

438. Solazzo C., Dyer J.M., Clerens S., Plowman J., Peacock E.E., Collins M.J. Proteomic evaluation of the biodegradation of wool fabrics in experimental burials. *Int. Biodeterior. Biodegrad.* **80**, 2013, 48-59, ISSN 0964-8305 **(150)**

439. Gupta R., Tiwary E., Sharma R., Rajput R., Nair N. Microbial Keratinases: Diversity and Applications. In: T. Satyanarayana et al. (eds.), Thermophilic Microbes in Environmental and Industrial Biotechnology: Biotechnology of Thermophiles, Chapter 33, Springer Netherlands, 2013, 881-904, DOI 10.1007/978-94-007-5899-5_33 **(150)**

440. Shata H.M.A.H. Medium optimization for keratinase production by a local *Streptomyces* sp. NRC 13S under solid state fermentation. *J. Appl. Biol. Chem.* **56**, 2013, 1-11, ISSN 19760442 **(150)**

441. Darah I., Nur-Diyana A., Nurul-Husna S., Jain K., Lim S.H. *Microsporum fulvum* IBRL SD3: As novel isolate for chicken feathers degradation. *Appl. Biochem. Biotechnol.* 2013, DOI 10.1007/s1210-013-0496-4, ISSN 0273-2289 **(150)**

442. Nayaka S., Vidyasagar G.M. Development of eco-friendly bio-fertilizer using feather compost. *Ann. Plant Sci.* **2**, 2013, 238-244, ISSN 2287-688X **(150)**

443. Sivakumar T., Shankar T., Thangapandian V., Ramasubramanian V. Optimization of cultural condition for keratinase production using *Bacillus cereus* TS1. *Ins. Microbiol.* **3**, 2013, 1-8, ISSN 1178-6361 **(150)**

444. Fakhfakh N., Ktari N., Siala R., Nasri M. Wool-waste valorization: production of protein hydrolysate with high antioxidative potential by fermentation with a new keratinolytic bacterium, *Bacillus pumilus* A1. *J. Appl. Microbiol.* **115**, 2013, 424-433, ISSN 1364-5072 **(150)**

445. Fang Z., Zhang J., Liu B., Du G., Chen J. Biodegradation of wool waste and keratinase production in scale-up fermenter with different strategies by *Stenotrophomonas maltophilia* BBE11-1. *Biores. Technol.* **140**, 2013, 286-291, ISSN 0960-8524 **(150)**

446. Selvam K., Vishnupriya B., Yamuna M. Isolation and description of keratinase producing marine actinobacteria from South Indian Coastal Region. *African J. Biotechnol.* **12,** 2013, 19-26, ISSN 1684-5315 **(150)**

447. Mokrejš P., Krejči O., Čermak R., Svoboda P. Optimization of enzymatic hydrolysis conditions of chicken feathers. *Chem. Listy* **107,** 2013, 709-712, ISSN 1213-7103 **(150)**

448. Hassan M.A., Haroun B.M., Amara A.A., Serour E.A. Production and characterization of keratinolytic protease from new wool-degrading *Bacillus* species isolated from egyptian ecosystem. *BioMed Res. Int.* 2013 , art. no. 175012, ISSN 0970-938X **(150)**

449. Zhang J., Fang Z., Gu L., Liao X., Du G., Chen J. Enhanced thermostability of keratinase by computational design and empirical mutation. *J. Ind. Microbiol. Biotechnol.* 2013, doi 10.1007/s10295-013-1268-4, ISSN 1367-5435 **(151)**

450. Paul T., Das A., Mandal A., Halder S.K. Production and purification of keratinase using chicken feather bioconversion by a newly isolated *Aspergillus fumigatus* TKF1: detection of valuable metabolites. *Biomass Conver. Bioref.* 2013, 1-12, Springer, ISSN 2190-6815 **(151)**

451. Raju E.V.N., Divakar G. Screening and isolation of keratinase producing bacteria from poultry waste. *Int. J. Pharma. Res. Allied Sci.* **2**, 2013, 70-74, ISSN 2277-3657 **(151)**

452. Vidhya D., Palaniswamy M. Identification and characterization of a local bacterial strain with high keratinolytic activity from chicken feathers. *Int. J. Pharm. Biol. Sci.* **3**, 2013, 308-316, ISSN 0975-6299 **(151)**

453. Selvam K., Vishnupriya B., Yamuna M. Isolation and description of keratinase producing marine actinobacteria from South Indian Coastal Region. *African J. Biotechnol.* **12**, 2013, 19-26, ISSN 1684-5315 **(151)**

454. Nigam P.S. Microbial enzymes with special characteristics for biotechnological applications. *Biomolecules* **3**, 2013, 597-611, ISSN 2218-273X **(151)**

455. Habbeche A., Haberra S., Saoudi B., Kerouaz B., Ladjama A. Keratinase production from a thermophilic actinomycete strain Cpt29 newly isolated from poultry compost. *Minerva Biotecnol.* **25**, 2013, 151-159, ISSN 1120-4826 **(151)**

456. Hassan M.A., Haroun B.M., Amara A.A., Serour E.A. Production and characterization of keratinolytic protease from new wool-degrading bacillus species isolated from egyptian ecosystem. *BioMed Res. Int.* 2013, art. no. 175012, ISSN 0970-938X **(151)**

457. Liu B., Zhang J., Fang Z., Gu L., Liao X., Du G., Chen J. Enhanced thermostability of keratinase by computational design and empirical mutation. *J. Ind. Microbiol. Biotechnol.* **40**, 2013, 697-704, ISSN 1367-5435 **(151)**

458. Li B., Wang Q., Yuan J.-G., Wang P., Fan X.-R., Huang D.-H., Cui L. Study on anti-felting finishing of wool with keratinase and protease in two baths. *Wool Textile J.* **41,** 2013, 1-5, ISSN 1003-1456 **(151)**

459. Venugopal P., Malhotra S., Saini A., Rastog S. Poultry farm-the fourth kind farm. *Int. J. Market. Technol.* **3**, 2013, 62-74, ISSN 2248-1058 **(151)**

460. Ni K., Wang H., Zhao L., Zhang M., Zhang S., Ren Y., Wei D. Efficient production of (R)-(-)-mandelic acid in biphasic system by immobilized recombinant *E. coli*. *J. Biotechnol.* **167(4)**, 2013, 433-440, ISSN 0168-1656 **(152).**

461. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar KS, Pandey A. Studies on structural and physical characteristics of a novelexopolysaccharide from *Pseudozyma sp*. NII 08165 *International Journal of Biological Macromolecules* **59**, 2013, 84-89, ISSN 0141-8130 **(153)**

462. Malik S., Mirjalili M.H., Fett-Neto A.G., Mazzafera P., Bonfill M. Living between two worlds: two-phase culture systems producing plant secondary metabolites. *Critical Reviews in Biotechnology* **33(1)**, 2013, 1–22, ISSN 0738-8551 **(154)**

463. Sanghera G.S., Malhotra P.K., Sidhu G.S., Sharma V.K., Sharma B.B., Karan R. Genetic engineering of crop plants for enhanced antioxidants activity. *International Journal of Advancements in Research & Technology* **2(5)**, 2013, ISSN 2278-7763 **(154)**

464. Malik S., Mirjalili M.H., Fett-Neto A.G., Mazzafera P., Bonfill M. Living between two worlds: two-phase culture systems producing plant secondary metabolites. *Critical Reviews in Biotechnology* **33(1)**, 2013, 1-22, ISSN 0738-8551 **(155)**

465. Vulić J., Ćebović T., Čanadanović C., Ćetković G., Djilas S., Čanadanović-Brunet J., Velićanski A., Cvetković D., Tumbas V. Antiradical, antimicrobial and cytotoxic activities of commercial beetroot pomace. *Food Functions*, **4(5)**, 2013, 713-721, ISSN 2042-6496. **(156)**

466. Slavov, A., Karagyozov, V., Denev, P., Kratchanova, M., Kratchanov, C. Antioxidant activity of red beet juices obtained after microwave and thermal pretreatments. *Czech Journal of Food Sciences*, **31(2)**, 2013, 139-147, ISSN 1212-1800 **(156)**

467. 3Gulzar S Sanghera, Pawan K. Malhotra, Guropkar S. Sidhu, Vinod K. Sharma, Brij B. Sharma, Ratna Karan. Genetic Engineering of Crop Plants for Enhanced Antioxidants Activity. *International Journal of Advancements in Research & Technology*, **2(5)**, 2013 428-458, ISSN 2278-7763, **(156)**

468. Bogya, E.S., Czikó, M., Szabó, G., Barabás, R. The red beetroot extract antioxidant activity and adsorption kinetics onto hydroxyapatite-based materials. *Journal of the Iranian Chemical Society*, **10(3),** 2013, 491-503, ISSN 1735-207X **(156)**

469. Ninfali P., Angelino D.. Nutritional and functional potential of *Beta vulgaris* cicla and rubra. *Fitoterapia*. **89(1),** 188-199, ISSN 0367-326X **(156)**

470. Zargarana A., Zarshenas M.M., Karimia A., Yarmohammadia H., Borhani-Haghighid A. Management of Stroke Described by Ibn Sina (Avicenna) in the Canon of Medicine. *International Journal of Cardiology*, in press, 2013, http://dx.doi.org/10.1016/j.ijcard.2013.08.115, ISSN 0167-5273 **(156)**

471. Tasheva K., Kosturkova G. Role of Biotechnology for Protection of Endangered Medicinal Plants, In: *Environmental Biotechnology - New Approaches and Prospective Applications* (Marian Petre – Ed.). 2013, pp. 235-285, INTECH, **ISBN** 978-953-51-0972-3 **(157)**

472. Ptak, A., El Tahchy, A., Skrzypek, E., Wójtowicz, T., Laurain-Mattar, D. Influence of auxins on somatic embryogenesis and alkaloid accumulation in *Leucojum*

aestivum callus. *Central European Journal of Biology,* **8(6),** 2013, 591-599, ISSN 1895-104X **(157)**

473. Cahlíková, L., Ločárek, M., Benešová, N., Kučera, R., Chlebek, J., Novák, Z., Opletal, L. Isolation and cholinesterase inhibitory activity of Narcissus extracts and amaryllidaceae alkaloid. *Natural Product Communications*. **8(6),** 2013, 781-785, ISSN 1934-578X **(157)**

474. Ren L., Zhao H, Chen Z. Study on pharmacokinetic and tissue distribution of lycorine in mice plasma and tissues by liquid chromatography–mass spectrometry. Talanta, in press, 2013. http://dx.doi.org/10.1016/j.talanta.2013.11.014, ISSN 0039-9140 **(157)**

475. Emir A., Polat D., Kaya G. I., Sarikaya B., Onu1 M. A., Unver Somer N.. Simultaneous Determination of Lycorine and Galanthamine in *Galanthus woronowii* by HPLC–DAD. *Acta Chromatographica*, **25(4)**, 2013, 755-764, ISSN 1233-2356, **(157)**

476. Cavalier-Smith T, Scoble JM. Phylogeny of Heterokonta: *Incisomonas marina,* a uniciliate gliding opalozoan related to Solenicola (Nanomonadea), and evidence that Actinophryida evolved from raphidophytes. *European Journal of Protistology,* **49(3)**, 2013, 328-353, ISSN 0932-4739 **(158)**

477. Massana R, Campo J, Sieracki ME, Audic S, Logares R. Exploring the uncultured microeukaryote majority in the oceans: reevaluation of ribogroups within stramenopiles. *The ISME Journal*, 2013, 1-13, doi:10.1038/ismej.2013.204, ISSN 1751-7362 **(158)**

478. Rossberg AJ, Rogers T, McKane AJ. Are there species smaller than 1 mm? *Proceedingsof the Royal Society B*, **280** (1767), 2013, doi: 10.1098/rspb.2013.1248, ISS 0962-8452 **(158)**

479. Lepère C, Domaizon I, Taïb N, Mangot JF, Bronner G, Boucher D, Debroas D. Geographic distance and ecosystem size determine the distribution of smallest protists in lacustrine ecosystems. *FEMS Microbiology Ecol*ogy, **85(1)**, 2013, 85-94, ISSN 0168-6496 **(158)**

480. Nikouli E, Kormas KA, Berillis P, Karayanni H, Gouni MM. Harmful and parasitic unicellular eukaryotes persist in a shallow lake under reconstruction (L. Karla, Greece). Hydrobiologia, **718(1)**, 2013, 73-83, ISSN 0018-8158 **(158)**

481. Taib N, Mangot JF, Domaizon I, Bronner G, Debroas D. Phylogenetic affiliation of SSU rRNA genes generated by massively parallel sequencing: New insights into the freshwater protist diversity. *PLOS ONE,* **8(3),** 2013, e58950. doi: 10.1371/journal.pone.0058950. Epub 2013 Mar 14. ISSN-1932-6203 **(158)**

482. Simon M, López GP, Moreira D, Jardillier L. New haptophyte lineages and multiple independent colonizations of freshwater ecosystems. *Environmental Microbiology, Rep.*, **5(2),** 2013, 322-332, ISSN 1758-2229 **(158)**

483. Mangot JF, Domaizon I, Taib N, Marouni N, Duffaud E, Bronner G, Debroas D. Short-term dynamics of diversity patterns: evidence of continual reassembly within lacustrine small eukaryotes. *Environmental Microbiology*, **15(6),** 2013, 1745-1758, ISSN 1462-2912 **(158)**

484. Gomez F. Problematic Biases in the Availability of Molecular Markers in Protists: The Example of the Dinoflagellates. *Acta Protozoologica,* **52**, 2013, doi: 10.4467/16890027 AP.13.0021.1118, ISSN 0065-1583 (158)

485. Razieh Ratieenia. Effect of nutrients and culture conditions on antibiotic synthesis in Streptomycetes. *Asian Journal of Pharmaceutical and Health Sciences,* **3(3)**, 2013, 810-815, ISSN 2231-234X **(159)**

486. Luthra U, Kumar H, Dubey R. Mutagenesis of the lipstatin producer *Streptomyces toxytricini* ATCC 19813**.** *Journal of Biotechnology Letters*, **4(1)**, 2013, 68-71, ISSN 0976-7045 **(159)**

487. Wei H, Chunyan X, Chun N, Ping Z, Jianyu S. Advance in breeding of high tylosin producing strain. *Biotechnology bulletin,* **11,** 2013, 34-39, ISSN 0261-6904 **(159)**

488. Abbaspour M, Javid AH, Jalilzadeh, Yengjeh R, Hassani AH, Mostafavi PG. The Biodegradation of Methyl Tert-Butyl Ether (MTBE) by indigenous *Bacillus cereus* strain RJ1 isolated from soil. *Petroleum Science and Technology*, **31**, 2013, 1835-1841, ISSN 1091-6466 **(160)**

489. Rizzo C, Michaud L, Hörmann B, Gerçe B, Syldatk C, Hausmann R, De Domenico E, Lo Giudice A. Bacteria associated with sabellids (Polychaeta: Annelida) as a novel source of surface active compounds. *Marine Pollution Bulletin,* **70**, 2013, 125-133, ISSN 0025-326X **(160)**

490. Hua F, Wang H. Selective pseudosolubilization capability of Pseudomonas sp. DG17 on n-alkanes and uptake mechanisms analysis. *Frontiers of Environmental Science and Engineering*, **7**, 2013, 539-551, ISSN 2095-2201 **(161)**

491. Reis RS, Pacheco GJ, Pereira AG, Freire DMG. Biosurfactants: Production and Applications. http://dx.doi.org/10.5772/56144, Chapter 2, 31-61 **(158)**

492. Wu XY, Xu XM, Wu CF, Fu SY, Deng MC, Feng L, Jian-Ping Yuan JP, Wang JH. Responses of Microbial Communities to Light-Hydrocarbon Microseepage and Novel Indicators for Microbial Prospecting of Oil/Gas in the Beihanzhuang Oilfield, Northern Jiangsu, China. *Geomicrobiology Journal*, 2013, doi: 10.1080/01490451.2013.843619, ISSN 0149-0451 **(158)**

493. Sakr AA, Ghaly MF, Ali MF, Abdel-Haliem MEF. Biodeterioration of binding media in tempera paintings by *Streptomyces* isolated from some ancient Egyptian paintings. *African Journal of Biotechnology*, **12**, 2013, 1644-1656, ISSN 0959-3993 **(162)**

494. Al-Musallam AA, Al-Gharabally DH, Vadakkancheril N. Biodegradation of keratin in mineral-based feather medium by thermophilic strains of a new *Coprinopsis* sp. *International Biodeterioration and Biodegradation*, **79**, 2013, 42-48, ISSN 0964-8305 **(163)**

495. Darah I, Nur-Diyana A, Nurul-Husna S, Jain K, Lim SH. *Microsporum fulvum* IBRL SD3: As Novel Isolate for Chicken Feathers Degradation. *Applied Biochemistry and Biotechnology*, 2013, doi 10.1007/s1210-013-0496-4, ISSN 0273-2289 **(163)**

496. Fakhfakh N, Ktari N, Siala R, Nasri M. Wool-waste valorization: production of protein hydrolysate with high antioxidative potential by fermentation with a new keratinolytic bacterium, *Bacillus pumilus* A1. *Journal of Applied Microbiology*, **115**, 2013, 424-433, ISSN 1364-5072 **(163)**

497. Fang Z, Zhang J, Liu B, Du G, Chen J. Biodegradation of wool waste and keratinase production in scale-up fermenter with different strategies by *Stenotrophomonas maltophilia* BBE11-1. *Bioresource Technology*, **140**, 2013, 286-291, ISSN 0960-8524 **(163)**

498. Gupta R, Tiwary E, Sharma R, Rajput R, Nair N. Microbial Keratinases: Diversity and Applications. *In*: Thermophilic Microbes in Environmental and Industrial Biotechnology: Biotechnology of Thermophiles, Chapter 33, editors: Satyanarayana T. et al., Springer Netherlands, 2013, 881-904, **ISBN** 978-94-007-5899-5 **(163)**

499. Hassan MA, Haroun BM, Amara AA, Serour EA. Production and characterization of keratinolytic protease from new wool-degrading bacillus species isolated from egyptian ecosystem. *BioMed Research International*, art. no. 175012, 2013, ISSN 0970-938X **(163)**

500. Mokrejš P, Krejči O, Čermak R, Svoboda P. Optimalizace podmínek enzymové hydrolýzy kuřecího peří | [Optimization of enzymatic hydrolysis conditions of chicken feathers]. *Chemicke Listy*, **107**, 2013, 709-712, ISSN 1213-7103 **(163)**

501. Nayaka S, Vidyasagar GM. Development of eco-friendly bio-fertilizer using feather compost. *Annals of Plant Sciences*, **2**, 2013, 238-244, ISSN 2287-688X **(163)**

502. Paul T, Halder SK, Das A, Bera S, Maity C, Mandal A, Das PS, Das Mohapatra PK, Pati BR, Mondal KC. Exploitation of chicken feather waste as a plant growth promoting agent using keratinase producing novel isolate *Paenibacillus woosongensis* TKB2. *Biocatalysis and Agricultural Biotechnology*, **2**, 2013, 50-57, ISSN 1878-8181 **(163)**

503. Selvam K, Vishnupriya B, Yamuna M. Isolation and description of keratinase producing marine actinobacteria from South Indian Coastal Region. *African Journal of Biotechnology*, **12**, 2013, 19-26, ISSN 1684-5315 **(163)**

504. Shata HMAH. Medium optimization for keratinase production by a Local *Streptomyces* sp. NRC 13S under solid state fermentation. *Journal of Applied Biological Chemistry,* **56**, 2013, 119-129, ISSN 1976-0442 **(163)**

505. Sivakumar T, Shankar T, Thangapandian V, Ramasubramanian V. Optimization of Cultural Condition for Keratinase Production Using *Bacillus cereus* TS1. *Insight Microbiology*, **3**, 2013, 1-8, ISSN 1178-6361 **(163)**

506. Solazzo C, Dyer JM, Clerens S, Plowman J, Peacock EE, Collins MJ. Proteomic evaluation of the biodegradation of wool fabrics in experimental burials. *International Biodeterioration and Biodegradation,* **80**, 2013, 48-59, ISSN 0964-8305 **(163)**

507. Habbeche A, Haberra S, Saoudi B, Kerouaz B, Ladjama A. Keratinase production from a thermophilic actinomycete strain Cpt29 newly isolated from poultry compost. Keratinase production from a thermophilic actinomycete strain Cpt29 newly isolated from poultry compost. *Minerva Biotechnologica*, **25**, 2013, 151-159, ISSN 1120-4826 **(164)**

508. Hassan MA, Haroun BM, Amara AA, Serour EA. Production and characterization of keratinolytic protease from new wool-degrading bacillus species isolated from egyptian ecosystem. *BioMed Research International*, art. no. 175012, 2013, ISSN 0970-938X **(164)**

509. Li B, Wang Q, Yuan J-G, Wang P, Fan X-R, Huang D-H, Cui L. Study on anti-felting finishing of wool with keratinase and protease in two baths. *Wool Textile Journal*, **41**, 2013, 1-5, ISSN 1003-1456 **(164)**

510. Liu B, Zhang J, Fang Z, Gu L, Liao X, Du G, Chen J. Enhanced thermostability of keratinase by computational design and empirical mutation. *Journal of Industrial Microbiology and Biotechnology,* **40**, 2013, 697-704, ISSN 1367-5435 **(164)**

511. Nigam PS. Microbial Enzymes with Special Characteristics for Biotechnological Applications. *Biomolecules*, **3**, 2013, 597-611, ISSN 2218-273X **(164)**

512. Paul T, Das A, Mandal A, Halder SK. Production and purification of keratinase using chicken feather bioconversion by a newly isolated *Aspergillus fumigatus* TKF1:detection of valuable metabolites. *Biomass Conversion and Biorefinery*, 2013, DOI:10.1007/s13399-013-0090-6**,** ISSN 2190-6815 **(164)**

513. Raju EVN, Divakar G. Screening and Isolation of Keratinase Producing Bacteria from Poultry Waste. *International Journal of Pharmaceutical Research and Allied Sciences*, **2**, 2013, 70-74, ISSN 2277-3657 **(164)**

514. Selvam K, Vishnupriya B, Yamuna M. Isolation and description of keratinase producing marine actinobacteria from South Indian Coastal Region. *African Journal of Biotechnology*, **12**, 2013, 19-26, ISSN 1684-5315 **(164)**

515. Venugopal P, Malhotra S, Saini A, Rastog S. Poultry farm-the fourth kind farm. *International Journals of Marketing and Technology*, **3**, 2013, 62-74, ISSN 2248-1058 **(164)**

516. Vidhya D, Palaniswamy M. Identification and characterization of a local bacterial strain with high keratinolytic activity from chicken feathers. *International Journal of Pharmacy and Biological Sciences*, **3**, 2013, 308-316, ISSN 0975-6299 **(164)**

517. Zhang J, Fang Z, Gu L, Liao X, Du G, Chen J. Enhanced thermostability of keratinase by computational design and empirical mutation. *Journal of Industrial Microbiology and Biotechnology*, 2013, doi 10.1007/s10295-013-1268-4, ISSN 1367-5435 **(164)**

518. de Castro C., del Valle P., Rúa J., García-Armesto M.R., Gutiérrez-Larraínzar M., Busto F., De Arriaga D. Antioxidant defence system during exponential and stationary growth phases of *Phycomyces blakesleeanus*: Response to oxidative stress by hydrogen peroxide. *Fungal Biol,* **117(4),** 2013, 275-287, ISSN 1878-6146 **(165)**

519. Gomaa Ola M., Azab K.S. Biological indicators, genetic polymorphism and expression in *Aspergillus flavus* under copper mediated stress. *J Radiation Res App Sci*, 2013, **in press** (Available online) **(165)**

520. Hu X, Ma X, Tang P, Yuan Q.Improved β-carotene production by oxidative stress in Blakeslea trispora induced by liquid paraffin. *Biotechnol Lett***, 35(4),**2013, 559-63, ISSN 0141-5492 **(165)**

521. Hu X. , Ma X., Tang P. , Yuan Q. Improved β-carotene production by oxidative stress in Blakeslea trispora induced by liquid paraffin. *Biotechnol Lett,* **35(4),** 2013, 559-563, ISSN 0141-5492 **(165)**

522. Jain R., Jha S., Adhikary H., Kumar P., Parekh V., Jha A., Mahatma M.K., Kumar G.N. Isolation and Molecular Characterization of Arsenite-Tolerant Alishewanella

sp. GIDC-5 Originated from Industrial Effluents. *Geomicrobiol J,* **311**, 2013, 82-90, ISSN 0149-0451 **(165)**

523. Lopes M.A.S. Characterization of non-conventional yeasts under hyperbaric conditions: cellular response to oxidative stress. PhD thesis, 2013, Universidade do Milano, Italy **(165)**

524. Nanou K., Roukas T. Oxidative stress response of *Blakeslea trispora* induced by iron ions during carotene production in shake flask culture. *Appl Biochem Biotechnol*. **169(8),** 2013, 2281-2289, ISSN 0273-2289 **(165)**

525. Oliveira M.V.D., Oliveira A.C.D.F., Shida C.S., Oliveira R.C.D., Nunes L.R. Gene expression modulation by paraquat-induced oxidative stress conditions in *Paracoccidioides brasiliensis. Fungal Genet Biol,* **60**, 2013, 101-109, ISSN 1087-1845 **(165)**

526. Xing Y.-M., Chen J., Song C., Liu Y.-Y., Guo S.-X., Wang C.-L. *Nox* gene expression and cytochemical localization of hydrogen peroxide in *Polyporus umbellatus* sclerotial formation. *Int J Mol Sci,* **14(11)**, 2013, 22967-22981, ISSN 1422-0067 **(165)**

527. Berłowski A., Zawada K., Wawer I., Paradowska K. Antioxidant Properties of Medicinal Plants from Peru Food Nutr Sci Vol.4 No.8A 71-77 (2013) ISSN 2157-9458 **(166)**

528. Jemia M.B., Chaabane SSenatore., F., Bruno M., Kchouk M.E.Studies on the antioxidant activity of the essential oil and extract of Tunisian *Tetraclinis articulata* (Vahl) Mast. (*Cupressaceae*) Nat Prod Res, **27(16)**, 2013, 1419-1430 ISSN 1478-6419 **(166)**

529. Jemia M.B., Wannes W.A., Ouchikh O., Bruno M., Kchouk M.E. Antioxidant activity of Tunisian *Geranium robertianum* L. (Geraniaceae). Nat Prod Res, **27(22)**, 2013, 2076-2083, ISSN 1478-6419 **(166)**

530. Osma J.A., Maldonado M.E., Chamorro N.L., Varela S.S.A., Landázuri P. Antioxidant and antiproliferative activity of ethanolic and aqueous extracts from leaves and fruits juice *Passiflora edulis*. *Perspect Nut Hum*, **15(1),** 2013, 13-25, ISSN 01244108 **(166)**

531. Siddiqui Z.H., Mujib A., Mahmooduzzafar, Aslam J., Hakeem K.R. *In vitro* Production of Secondary Metabolites Using Elicitor in Catharanthus roseus: A Case Study. In: Crop Improvement, New Approaches and modern techniques Editors: Hakeem KR., Ahmad P., Ozturk, M., Springer-verlag, 2013, 401-420, **ISBN** 978-1-4614-7027-4 **(166)**

532. Tuominen A. Defensive strategies in *Geranium sylvaticum*, Part 2: Roles of water-soluble tannins, flavonoids and phenolic acids against natural enemies. *Phytochemistry,* **95**, 2013, 408–420, ISSN 0031-9422 **(166)**

533. Yang Y.C., Li J., Fu Y.J., Zu Y.G. Seasonal variation of antioxidant components of *Geranium sibiricum* Linne. *Chemistry and Industry of Forest Products*, **33(1)**, 2013, 91-96, ISSN 0253-2417 **(166)**

534. Rosu, V., Bandino, E., Cossu, A. Unraveling the transcriptional regulatory networks associated to mycobacterial cell wall defective form induction by glycine and lysozyme treatment. *Microbiol. Res.* **168**, 2013, 3, 153-164, ISSN 0944-5013 **(167)**

535. Xu, X., Yan, H., Tang, J., Chen, J., Zhang, X. Polysaccharides in Lentinus edodes: Isolation, structure, immunomodulating activity and future prospective . *Crit. Rev. Food Sci. Nutr.,* **54**, 2014, 4, 474-487, ISSN 1040-8398 **(168)**

536. Shakya, A.K., Nandakumar, K.S. Applications of polymeric adjuvants in studying autoimmune responses and vaccination against infectious diseases. *J Royal Soc Interface* 10, 2013, 79, art. no. 20120536, ISSN 1742-5689 **(168)**

537. Weishaupt, M.W., Matthies, S., Seeberger, P.H. Automated solid-phase synthesis of a β-(1,3)-glucan dodecasaccharide . *Chemistry - A European Journal* **19,** 2013, 37, 12497-12503, ISSN 0947-6539 **(169)**

538. Chang, S.-C., Li, W.-C., Huang, K.-Y., Huang, Y.-C., Chiu, C.-H., Chen, C.-J., Hsieh, Y.-C., Kuo, C.-Y., Shih, S.-R., Lin, T.-Y. Efficacy of alcohols and alcohol-based hand disinfectants against human enterovirus 71. *Journal of Hospital Infection*, **83(4),** 2013, 288-293, ISSN 0195-6701 **(170)**

539. Tung, G., Macinga, D., Arbogast, J., Jaykus, L.-A. Efficacy of commonly used disinfectants for inactivation of human noroviruses and their surrogates. *Journal of Food Protection*, **76(7),** 2013, 1210-1217, ISSN 0362-028X **(170)**

540. Begum-Haque S., Christy M., Wang Y., Kasper E., Ochoa-Reparaz J., Smith J.Y, et al. Glatiramer acetate biases dendritic cells towards an anti-inflammatory phenotype by modulating OPN, IL-17, and RORγt responses and by increasing IL-10 production in experimental allergic encephalomyelitis. *Journal of Neuroimmunology*, **254**, 2013, 117-124. ISSN 0165-5728 **(171)**

541. Si C.-L., Shen T., Jiang Y.-Y. et al. Antioxidant properties and neuroprotective effects of isocampneoside II on hydrogen peroxide-induced oxidative injury in PC12 cells. *Food and Chemical Toxicology*, **59**, 2013, 145-152. ISSN 0278-6915 **(172)**

542. Silva J.M., Videira M., Gaspa, R., Preat V., Florindo H.F. Immune system targeting by biodegradable nanoparticles for cancer vaccines. *Journal of controlled release : official journal of the Controlled Release Society,* **168,** 2013, 179, ISSN 0168-3659 **(173)**

543. John F.C., Tabbasum K., Rao, C.P. edited by Atta-ur-Rahman, **40**, 2013, 359. **ISBN** 978-0-444-59603-1 **(173)**

544. Faksri Kiatichai et al. Heterogeneity of phenotypic characteristics of the modern and ancestral Beijing strains of Mycobacterium tuberculosis. *Asian Pacific Journal of Allergy and Immunology* **32.2**, 2013: DOI-10. ISSN 2228-8694 **(174)**

545. van Laarhoven Arjan *et al*. Low Induction of Proinflammatory Cytokines Parallels Evolutionary Success of Modern Strains within the Mycobacterium tuberculosis Beijing Genotype. *Infection and Immunity* **81.10**, 2013, 3750-3756, ISSN 0019-9567 **(174)**

546. Jayarama Reddy Venugopal *et al.* Nanofibrous structured biomimetic strategies for skin tissue regeneration. *Wound Repair and Regeneration.* **21.1**, 2013,1-16, ISSN 1524-475X **(175)**

547. Tan Honglue *et al*. Quaternized chitosan as an antimicrobial agent: Antimicrobial activity, mechanism of action and biomedical applications in orthopedics. *International Journal of Molecular Sciences* **14.1**, 2013, 1854-1869, ISSN 1422-0067 **(175)**

548. Tran Chieu D.; Simon Duri; April L. Harkins. Recyclable synthesis, characterization, and antimicrobial activity of chitosan-based polysaccharide composite materials. *Journal of Biomedical Materials Research Part A*. **101A**, 2013, 2248-2257, ISSN 1552-4965 **(175)**

549. Shahid Mohammad; Faqeer Mohammad. Green Chemistry Approaches to Develop Antimicrobial Textiles Based on Sustainable Biopolymers A Review. *Industrial & Engineering Chemistry Research* 52. **15**, 2013, 5245-5260, ISSN 0888-5885 **(175)**

550. Çay Ahmet; Mohsen Miraftab. Properties of electrospun poly (vinyl alcohol) hydrogel nanofibers crosslinked with 1, 2, 3, 4-butanetetracarboxylic acid. *Journal of Applied Polymer Science* **129**, 2013, 3140–3149, ISSN 1097-4628 **(175)**

551. Serinçay Halime *et al*. PVA/PAA-Based Antibacterial Wound Dressing Material with Aloe Vera. *Polymer-Plastics Technology and Engineering* **52, 13**, 2013, 1308-1315, ISSN 0360-2559 **(175)**

552. Dilamian M.;Montazer M.; Masoumi J. Antimicrobial electrospun membranes of chitosan/poly (ethylene oxide) incorporating poly (hexamethylene biguanide) hydrochloride. *Carbohydrate Polymers* **94**, 2013, 364-71, ISSN 0144-8617 **(175)**

553. Roozbahani Fatemeh *et al*. Effects of chitosan alkali pretreatment on the preparation of electrospun PCL/chitosan blend nanofibrous scaffolds for tissue engineering application. *Journal of Nanomaterials.* 2013, 1-6, ISSN 1687-4110 **(175)**

554. Sadri Minoo; Somaieh Khalaji. Preparation of Nanoscale Polymer Fibers Containing Honey for Superficial Wound Protection against Microbial Agents. *AST Journal* **3.3,** 2013, 243-248. ISSN 1270-9638 **(175)**

555. Fangfang Wang; Mingqiao Ge. Fibrous mat of chitosan/polyvinyl alcohol/containing cerium (III) for the removal of chromium (VI) from aqueous solution.*Textile Research Journal* **83.6**, 2013, 628-637, ISSN 0040-5175 **(175)**

556. Singh Smriti; Martin Möller; Andrij Pich. Biohybrid nanogels. *Journal of Polymer Science Part A: Polymer Chemistry.* **51**, 2013, 3044–3057, ISSN 1099-0518 **(175)**

557. Peciulyte Laura *et al*. Thermal imidization peculiarities of electrospun BPDA-PDA/ODA copolyamic acid nanofibers. *Macromolecular Research.* 2013, 1-8, ISSN 1598-5032 **(175)**

558. Mututuvari T.M; April L. Harkins A.L.; Tran C.D. Facile synthesis, characterization, and antimicrobial activity of cellulose–chitosan–hydroxyapatite composite material: A potential material for bone tissue engineering. *Journal of Biomedical Materials Research Part A* **101**, 2013, 3266-3277, ISSN 1552-4965 **(175)**

559. Shi Y., Wang Q., Hou Y., Hong Y., Han X., Yi J., Qu J., LuY. Molecular cloning, expression and enzymatic characterization of glutathione S-transferase from Antarctic sea-ice bacteria Pseudoalteromonas sp. ANT506. *Microbiol Res*, 2013 Jul 25, pii: S0944-5013(13)00098-0. doi: 10.1016/j.micres.2013.06.012 **(176)**

560. Pogacic T., Sinko S., Zamberlin S., Samarzija D. Microbiota of kefir grains. *Mljekarstvo* **63**, 2013, 3-14, ISSN 0026-704X **(177)**

561. Najim N., Aryana KJ. A mild pulsed electric field condition that improves acid tolerance, growth, and protease activity of *Lactobacillus acidophilus* LA-K and

Lactobacillus delbrueckii subspecies *bulgaricus* LB-12. *Journal of Dairy Science* **96**, 2013, 3424-3439, ISSN 0022-0302 **(177)**

562. Corona-Hernandez R.I., Alvarez-Parrilla E., Lizardi-Mendoza J., Islas-Rubio A.R., dee la Rosa L.A., Wall-Medrano A. Structural stability and viability of microencapsulated probiotic bacteria: A review. *Comprehensive Reviews in Food Science and Food Safety* **12**, 2013, 614-628, ISSN 1541-4337 **(177)**

563. Valduga E., Ribeiro A.H.R., Cence K., Colet R., Tiggemann L., Zeni J., Toniazzo G. Carotenoids production from a newly isolated *Sporidiobolus pararoseus* strain using agroindustrial substrates. *Biocatalysis and Agricultural Biotechnology* 2013, DOI: 10.1016/J.bcab.2013.10.001, ISSN 1878-8181 **(178)**

564. Goncalves S., Anabela R. *In vitro* culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites. *Biotechnology Advances* 31, 2013, 166-174, ISSN 0734-9750 **(179)**

565. Kloetzer L., Postaru M., Galaction A-I., Blaga A.C., Cascaval D. Comparative study on rosmarinic acid separation by reactive extraction with Amberlite LA-2 and D2EHPA. 1. Interfacial reaction mechanism and influencing factors. *Industrial & Engineering Chemistry Research* **52,** 2013, 13785-13794, ISSN 0888-5885 **(179)**

566. Kloetzer L., Postaru M., Galaction A-I., Blaga A.C., Cascaval D. Comparative study on rosmarinic acid separation by reactive extraction with Amberlite LA-2 and D2EHPA. 1. Interfacial reaction mechanism and influencing factors. *Industrial & Engineering Chemistry Research* 52, 2013, 13785-13794, ISSN 0888-5885 **(180)**.

567. Das J., Mao A.A., Handique P.J. Callus-mediated organogenesis and effect of growth regulators on production of different valepotriates in Indian valerian (*Valeriana jatamansi* Jones.). *Acta Physiologiae Plantarum* 35, 2013, 55-63, ISSN 0137-5881 **(181)**.

568. Sanghera G.S., Malhotra P.K., Sidhu G.S., Sharma V.K., Sharma B.B., Karan R. Genetic engineering of crop plants for enhanced antioxidants activity. *International Journal of Advancements in Research & Technology* 2(5), 2013, ISSN 2278-7763 **(181)**.

569. Ptak A., Simlat A., Kwiecie M., Laurain-Mattar D. *Leucojum aestivum* plants propagated in in vitro bioreactor culture and on solid media containing cytokinins. *Engeneering in Life Sciences*, **13(3)**, 2013, 261-270, ISSN 1618-2863 **(182)**

570. Šiler M.D., Skorić B., Djurickovic B., Nestorović Živković M.S., Jovanović J., Giba V.Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry*. **48(10)**, 2013, 1587-1591, ISSN 1359-5113 **(182)**

571. Paul T, Halder SK, Das A, Bera S, Maity C, Mandal A, Das PS, Das Mohapatra PK, Pati BR, Mondal KC. Exploitation of chicken feather waste as a plant growth promoting agent using keratinase producing novel isolate *Paenibacillus woosongensis* TKB2. *Biocatalysis and Agricultural Biotechnology*, **2**, 2013, 50-57, ISSN 1878-8181 **(183)**

572. Sova J. Applications of Keratin Hydrolysates. PhD Thesis, Tomas Bata University - Zlín, 2013 **(183)**

573. Vončina A, Mihelič R. Sheep wool and leather waste as fertilizers in organic production of asparagus (*Asparagus officinalis* L.). *Acta Agriculturae Slovenica*, **101**, 2013, 191-200, ISSN 1581-9175 Sahoo A. Sheep husbandry under climate change scenario in India. In: Climate resilient small ruminanatproduction. Chapter 10, editors: Sahoo A, Kumar D, Naqvi SMK, NICRA, 2013, 93-100 **(183)**

574. Fatima D, Mebrouk K, Characterization and determination of the factors affecting anti-listerial bacteriocins from *Lactobacillus plantarum* and *Pediococcus pentosaceus* isolated from dairy milk products. *African Journal of Food Science* **7(3)**, 2013, 35-44, ISSN 1996-0794 **(184)**

575. Krugera M, Barbosaa M, Mirandab A, Landgrafa M., Destroa M., Todorov S., Gombossy B., Francoa M. Isolation of bacteriocinogenic strain of *Lactococcus lactis* subsp *lactis* from Rocket salad (Eruca sativa Mill.) and evidences of production of a variant of nisin with modification in the leader-peptide. *Food Control*, **33(2)**, 2013, 467–476, ISSN 0956-7135 **(184)**

576. Tang C, Chen J, Ren G, Biological characteristics of bacteriocin produced by *Lactococcus lactis* subsp. *cremoris*. *Food Science (Beijing)*, **34(1)**, 2013, 248-251, ISSN 1002-6630 **(184)**

577. Trivedi D, kumar Jena P, kumar Patel J, Seshadri S. Partial purification and characterization of a bacteriocin DT24 produced by probiotic vaginal *Lactobacillus brevis* DT24 and determination of its anti-uropathogenic *Escherichia coli* potential. *Probiotics and Antimicrobial Proteins*, **5(2)**, 2013, 142-151, ISSN 1867-1306 **(184)**

578. Bunyatang O, Chirapongsatonkul N, Churngchow N. Purification of a Protease Inhibitor from Hevea brasiliensis cell suspension and it's effect on the growth of Phytophthora palmivora. *Journal of Plant Biochemistry and Biotechnology*, **22(2)**, 2013, 185-192, ISSN 0971-7811 **(185)**

579. Abedin RMA, Barakat KMI. Evaluation of medium components using plackett-burman design for phenol degradation by marine degrading *Fusarium oxysporum*. *African Journal of Microbiology Research* **7(7)**, 2013, 541-550, ISSN 1996-0808 **(186)**

580. Deriase SF, Younis SA, El-Gendy NS. Kinetic evaluation and modeling for batch degradation of 2-hydroxybiphenyl and 2,2′-dihydroxybiphenyl by *Corynebacterium variabilis* Sh42. *Desalination and Water Treatment* **51(22-24)**, 2013, 4719-4728, ISSN 1944-3994 **(186)**

581. Ghanem KM, Al-Fassi FA, Al-Hazmi NM. Optimization of Chloroxylenol Degradation by *Aspergillus niger* Using Plackett-Burman Design and Response Surface Methodology. *Romanian Biotechnological Letters* **18(1)**, 2013, 7983-7994, ISSN 1224 - 5984 **(186)**

582. Hoodaji M, Tahmourespour A, Eskandary S. Effect of environmental conditions on phenol biodegradation by newly isolated bacterium (*Alcaligenes* Sp. ATHE8) from coke processing wastewater. *Journal of Residuals Science and Technology* **10(3)**, 2013, 127-131, ISSN 1544-8053 **(186)**

583. Jamshidian H, Khatami S, Mogharei A, Vahabzadeha F, Nickzad A. Cometabolic Degradation of Para-Nitrophenol and Phenol by *Ralstonia Eutropha* in a Kissiris-Immobilized Cell Bioreactor. *Korean Journal of Chemical Engineering* **30(11)**, 2013, 2052-2058, ISSN 0256-1115 **(186)**

584. Kilic B, Bach K. Food and Environment II. The Quest for a Sustainable Future. Section 1: Impact of Food Production and Food Processing on the Environment. Biorefineri meets Biofermentation to Produce Food Aditives. Editor Brebbia CA, Popov V, WIT Press, 25-37, **ISBN** 978-1-84564-702-5 **(186)**

585. Cahan R, Stein M, Anker Y, Langzam Y, Nitzan Y. Innovative utilization of coal bottom ash for bioremediation of toxic organic pollutants. *International Biodeterioration and Biodegradation*, **85**, 2013, 421-428 ISSN 0964-8305 **(187)**

586. Junjua M, Galia W, Gaci N, Ophélie U, Genay M, Bachmann H, Kleerebezem N, Dary A, Roussel Y,Development of the recombinase-based in vivo expression technology in *Streptococcus thermophilus* and validation using the lactose operon promoter. Article first published online: 27 november 2013, DOI: 10.1111/jam.12376, ISSN 1365-2672 **(188)**

587. Stumpf R, Wilson B, Rivera A, Yildirim S, Yeoman C, Polk J, White B, Leigh S, The primate vaginal microbiome: Comparative context and implications for human health and disease. *American Journal Physical Anthropology*, **152**, 2013, 119–134, ISSN 1096-8644 **(189)**

588. Wickström C, Chávez de Paz L**,** Davies J**,** Svensäter G. Surface-associated MUC5B mucins promote protease activity in *Lactobacillus fermentum* biofilms. *BMC Oral Health*, **13**:**43**, 2013, ISSN 1472-6831 **(189)**

589. Correa-Llantén D, Larraiń-Linton J, Muñoz PA, Castro M, Boehmwald F, Blamey JM. Characterization of the thermophilic bacterium *Geobacillus* sp. strain GWE1 isolated from a sterilization oven. *Korean J. Microbiol. Biotechnol.,* **41(3),** 2013, 278-283, ISSN 1598-642X **(190)**

590. Urbańska M. Biosorption with use of algae biomass as method to remove of Cr (VI) and Cr (III) ions from industrial wastewater: A literature review. *Sci. Rev. Eng. Environ. Sci.* **22(3)**, 2013, 323-335 **(191)**

591. Jang M.-F., Chou Y.-S. Modeling and optimization of bioethanol production via a simultaneous saccharification and fermentation process using starch. *J. Chem. Technol. Biotechnol.* **88(6)**, 2013, 1164-1174, ISSN 1097-4660 **(192)**

592. López Pérez P.A., Yescas R.M., Gomez Acata R.V., Caballero V.P., López R.A. Software sensors design for the simultaneous saccharification and fermentation of starch to ethanol. *Fuel* **110**, 2013, 219-226, ISSN 0016-2361 **(192)**

593. Sharma S, Sahni K, Javed A, Sanjula B. Patent perspective for potential antioxidant compounds-rutin and quercetin. *Recent Patents on Nanomedicine,* **3**, 2013, 62-68. ISSN 1877-912 **(193)**

594. Song J, Zhang F, Tang S, Liu X, Gao Y, Lu P, Wang Y, Yang H. A module analysis approach to investigate molecular mechanism of TCM formula: a trial on Shu-feng-jie-du formula. *Evidence-Based Complementary and Alternative Medicine,* 2013, Article ID 731370, http://dx.doi.org/10.1155/2013/731370I **(193)**

595. Yamagaki T, Watanabe T, Tanaka M, Sugahara K. Laser-induced hydrogen radical removal in UV MALDI-MS allows for the differentiation of flavonoid monoglycoside isomers. *J. Am. Soc. Mass Spectrom*, 2013, DOI: 10.1007/s13361-013-0764-0, ISSN 1044-0305 **(193)**

596. You H, Chen Ch, Eng H, Liao P, Huang Sh. The effectiveness and mechanism of toona sinensis extract inhibit attachment of pandemic influenza A (H1N1) virus. *Evidence-Based Complementary and Alternative Medicine,* 2013, Article ID 479718, http://dx.doi.org/10.1155/2013/479718, **(193)**

597. Whelton A.J., Nguyen T., Contaminant Migration From Polymeric Pipes Used in Buried Potable Water Distribution Systems: A Review., *Critical Reviews in Environmental Science and Technology*, 43 (7), 2013, 679-751, DOI:10.1080/10643389.2011.627005, ISNN 1547-6537 **(194)**

598. Driss K, Bouhelassa M, Boudabous S., Modelling drinking water chlorination at the Breakpoint: II. Calculation of the chlorine and chloramine concentrations along municipal pipe, *Desalination and Water Treatment*, 2013, Taylor & Francis On line, DOI:10.1080/19443994.2013.822177, ISNN 1944-3994 **(194)**

599. E. Ramos-Martínez, M. Herrera, J. Izquierdo, R. Pérez-García, Ensemble of naïve Bayesian approaches for the study of biofilm development in drinking water distribution systems, *International Journal of Computer Mathematics*, 2013,www.tandfonline.com DOI:10.1080/00207160.2013.808335, ISNN 1029-0265 **(194)**

600. Eva Ramos Martines, Evaluación del desarrollo de biofilms en los sistemas de distribución de agua potable mediante la extracción de conocimiento a través de los datos, Universitat Politècnica de València. Servicio de Alumnado, 2013, PhD thesis, http://riunet.upv.es/handle/10251/19124 **(194)**

601. Belmont M. *Lavandula angustifolia* M., *Lavandula latifolia* M.,*Lavandula* x *intermedia* E.: Études botaniques,chimiques et thérapeutiques, Diploma thesis, 2013, Universite Josepf Foutier, Grenoble, France.(195)

602. Sanghera G.S., Malhotra P.KSidhu., G.S., Sharma V.K., Sharma B.B., Karan5 R. Genetic Engineering of Crop Plants for Enhanced Antioxidants Activity *Intern J Advan Res Technol*, **2(5),** 2013, 428-458, ISSN 2278-7763 **(195)**

603. Schaake, J., Kronshage, M., Uliczka, F., Rohde, M., Knuuti, T., Strauch, E., Fruth, A., Wos-Oxley, M., Dersch, P. Human and animal isolates of yersinia enterocolitica show significant serotype-specific colonization and host-specific immune defense properties. *Infect. Immun.* **81,** 2013, 11, 4013-4025, ISSN 0019-9567 **(196)**

604. Ji LD, Chai PF, Zhou BB, Tang NL, Xing WH, Yuan F, Fei LJ, Zhang LN, Xu J. Lack of association between polymorphisms from genome-wide association studies and tuberculosis in the Chinese population. *Scand J Infect Dis.* **45**, 2013, 310-4. ISSN 1651-1980 **(197)**

605. Lanzas F., Karakousis P.C., Sacchettini J.C., Ioerger T.R. Multidrug-resistant tuberculosis in panama is driven by clonal expansion of a multidrug-resistant Mycobacterium tuberculosis strain related to the KZN extensively drug-resistant M. tuberculosis strain from South Africa. *J Clin Microbiol.,* **51**, 2013, 3277-85, ISSN 1469-0691 **(197)**

606. van Laarhoven A, Mandemakers JJ, Kleinnijenhuis J, Enaimi M, Lachmandas E, Joosten LA, Ottenhoff TH, Netea MG, van Soolingen D, van Crevel R. Low induction of proinflammatory cytokines parallels evolutionary success of modern strains within the Mycobacterium tuberculosis Beijing genotype. Infect Immun. **81**, 2013, 3750-6, ISSN 1098-5522 **(197)**

607. Samson, M., Pizzorno, A., Abed, Y., Boivin, G. Influenza virus resistance to neuraminidase inhibitors (Review). *Antiviral Research*, **98(2),** 2013, 174-185, ISSN 0166-3542 **(198)**

608. Smee, D.F., Barnard, D.L. Methods for evaluation of antiviral efficacy against influenza virus infections in animal models. *Methods in Molecular Biology*, **1030,** 2013, 407-425, ISSN 1064-3745 **(198)**

609. van der Vries, E., Schutten, M., Fraaij, P., Boucher, C., Osterhaus, A. Influenza virus resistance to antiviral therapy. *Advances in Pharmacology*, **67,** 2013, 217-246, ISSN 1054-3589 **(198)**

610. Ohtaki A., Kieber-Emmons T., Murali R. Structure-based peptide mimicry of tumor-associated antigens. *Monoclon Antib Immunodiagn Immunother,* **32,** 2013, 1, ISSN 2167-9436 **(199)**

611. Froestl W., Muhs A., Pfeifer A. Cognitive enhancers (nootropics). Part 2: Drugs interacting with enzymes. *Journal of Alzheimer's Disease*, **33,** 2013, 547-658, ISSN 1387-2877, **(200)**

612. Minjarez B., Rustarazo M.L.V., Sanchez Del Pino M.M., González-Robles A., Sosa-Melgarejo J.A., Luna-Muñoz J., et al. Identification of polypeptides in neurofibrillary tangles and total homogenates of brains with Alzheimer's disease by tandem mass spectrometry. *Journal of Alzheimer's Disease*, **34**, 2013, 239-62. ISSN 1387-2877 **(200)**

613. Tian X., Zhang L., Wang J., Dai J., Shen S., Yang L., et al. The protective effect of hyperbaric oxygen and Ginkgo biloba extract on Aβ25-35-induced oxidative stress and neuronal apoptosis in rats. *Behavioural Brain Research*, **242,** 2013, 1-8. ISSN 0166-4328 **(200)**

614. Novak A., Binnington B., Ngan B., Chadwick K., Fleshner N., Lingwood, C.A. Cholesterol masks membrane glycosphingolipid tumor-associated antigens to reduce their immunodetection in human cancer biopsies. *Glycobiology,* **23,** 2013, 1230. ISSN 0959-6658 **(201)**

615. Wang K., Ping S., Huang S., Hu L., Xuan H., Zhang C., Hu F. Molecular mechanisms underlying the in vitro anti-inflammatory effects of a flavonoid-rich ethanol extract from chinese propolis (poplar type). *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 127672, ISSN 1741-427X **(202)**

616. Falcão SI., Freire C., Vilas-Boas M. A proposal for physicochemical standards and antioxidant activity of Portuguese propolis. *JAOCS, Journal of the American Oil Chemists' Society*, **11, 90**, 2013, 1729-1741, ISSN 0003-021X **(202)**

617. De Groot AC. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects. *Dermatitis*, **6, 24**, 2013, 263-282, ISSN 1710-3568 **(202)**

618. Benhanifia M., Mohamed WM., Bellik Y., Benbarek H. Antimicrobial and antioxidant activities of different propolis samples from north-western Algeria. *International Journal of Food Science and Technology*, **12,** 48, 2013, 2521-2527, ISSN 0950-5423 **(202)**

619. de Almeida SL., Schmidt ÉC., Pereira DT., Kreusch M., de L Felix MR., Osorio LKP., de Paula Martins R., (...), Bouzon ZL. Effect of ultraviolet-B radiation in

laboratory on morphological and ultrastructural characteristics and physiological parameters of selected cultivar of *Oryza sativa L*. *Protoplasma*, **6, 250**, 2013, 1303-1313, ISSN 0033-183X **(202)**

620. Isidorov VA., Szczepaniak L., Bakier S. Rapid gc/ms determination of botanical precursors of eurasian propolis. *Food Chemistry*, 142, 2014, 101-106, ISSN 0308-8146 **(202)**
621. Guan L-P., Zhao D-H., Chang Y., Wen Z-S., Tang L-M., Huang F-F. Synthesis of 2,4-dihydroxychalcone derivatives as potential antidepressant effect. *Drug Research*, 1, **63**, 2013, 46-51, ISSN 0004-4172 **(203)**
622. Eddarir S., Kajjout M., Rolando C. An efficient synthesis of (Z)-α-fluorochalcones via the palladium-catalyzed cross-coupling reaction of (Z)-α-fluorocinnamoyl chloride with boronic acids. *Tetrahedron*, **6, 69**, 2013, 1735-1738, ISSN 0040-4020 **(203)**
623. Zhao Y., Jia L., Wang J., Gong M., Zhang P., Li J., Liu H., (...), Xiao X. Microcalorimetry with correspondence analysis for studying the antibacterial effect of ephedrine on *Escherichia coli*. *Thermochimica Acta*, **557**, 2013, 50-54, ISSN 0040-6031 **(203)**
624. Unoh Y., Hirano K., Satoh T., Miura M. Palladium-catalyzed decarboxylative arylation of benzoylacrylic acids toward the synthesis of chalcones. *Journal of Organic Chemistry*, **10**, 78, 2013, 5096-5102, ISSN 0022-3263 **(203)**
625. Garg S., Raghav N. Spectrophotometric analysis of bovine serum albumin in presence of some 1-(naphthalen-3-yl)-3-phenylprop-2-en-1-ones. *International Journal of Chemical Sciences*, **2**, 11, 2013, 1137-1145, ISSN 0972-768X **(203)**
626. Garg S., Raghav N. Synthesis of novel chalcones of schiff' s bases and to study their effect on bovine serum albumin. *Asian Journal of Pharmaceutical and Clinical Research*, **6** (SUPPL.4), 2013, 181-184, ISSN 0974-2441 **(203)**
627. Guan L-P., Zhao D-H., Chang Y., Sun Y., Ding X-L., Jiang J-F. Design, synthesis and antidepressant activity evaluation 2′-hydroxy-4′,6′-diisoprenyloxychalcone derivatives. *Medicinal Chemistry Research*, **11**, 22, 2013, 5218-5226, ISSN 1054-2523 **(203)**
628. Carvalho JWP, Carvalho FAO, Santiago PS, Tabak M. Thermal denaturation and aggregation of hemoglobin of *Glossoscolex paulistus* in acid and neutral media. *Int. J. Biol. Macromol,* **54**, 2013, 109–118, ISSN 0141-8130 **(204)**
629. Kurz S, Jin C, Hykollari A, Gregorich D, Giomarelli B, Vasta GR, Wilson IBH, Paschinger K. Hemocytes and plasma of the eastern oyster (Crassostrea virginica) display a diverse repertoire of sulfated and blood group A-modified N-glycans. *J. Biol. Chem.,* **288**, 2013, 24410-24428. ISSN 0021-9258, E-ISSN 1083-351X **(205)**
630. Naresh KN, Krupanidhi S, Rajan SS. Purification, spectroscopic characterization and o-diphenoloxidase activity of hemocyanin from a freshwater gastropod: *Pila globosa*. *Protein J.,* **32**, 2013, 327-336, ISSN 1572-3887 **(205)**
631. Benassi VM, Silva TMD, Pessela BC, Guisan JM, Mateo C, Lima MS, Jorge JA, Polizeli MDLTM. Immobilization and biochemical properties of a β-xylosidase

activated by glucose/xylose from *Aspergillus niger* USP-67 with transxylosylation activity. *J. Mol. Catal. B: Enzym.,* **89**, 2013, 93-101, ISSN 1381-1177 **(206)**

632. Goh KM, Kahar UM, Chai YY, Chong CS, Chai KP, Ranjani V, Illias RM, Chan K-G. Recent discoveries and applications of *Anoxybacillus*. *Appl. Microbiol. Biotechnol.,* **97(4),** 2013, 1475-1488, ISSN 0175-7598 **(206)**

633. Shi H, Li X, Gu H, Zhang Y, Huang Y, Wang L, Wang F. Biochemical properties of a novel thermostable and highly xylose-tolerant β-xylosidase/α-arabinosidase from *Thermotoga thermarum*. *Biotechnol. Biofuels,* **6(1),** 2013, art. no. 27, ISSN 1754-6834 **(206)**

634. Chiş L, Hriscu M, Bica A, Toşa M, Nagy G, Róna G, Vértessy BG, Irimie FD. Molecular cloning and characterization of a thermostable esterase/lipase produced by a novel *Anoxybacillus flavithermus* strain. *J. Gen. Appl. Microbiol.,* **59(2),** 2013, 119-134, ISSN 0022-1260 **(206)**

635. Huy ND, Thayumanavan P, Kwon T-H, Park S-M. Characterization of a recombinant bifunctional xylosidase/arabinofuranosidase from *Phanerochaete chrysosporium*. *J. Biosci. Bioeng.,* **116(2),** 2013, 152-159, ISSN 1389-1723 **(206)**

636. Yang X, Shi P, Huang H, Luo H, Wang Y, Zhang W, Yao B. Two xylose-tolerant GH43 bifunctional β-xylosidase/α-arabinosidases and one GH11 xylanase from *Humicola insolens* and their synergy in the degradation of xylan. *Food Chem*., **148(1),** 2013, 381–387, ISSN 0308-8146 **(206)**

637. Goh KM, Kahar UM, Chai YY, Chong CS, Chai KP, Ranjani V, Illias RM, Chan K-G. Recent discoveries and applications of *Anoxybacillus*. *Appl. Microbiol. Biotechnol.,* **97(4),** 2013, 1475-1488, ISSN 0175-7598 **(207)**

638. Cihan AC. Taxonomic classification of *Anoxybacillus* isolates from geothermal regions in Turkey by 16S rRNA gene sequences and ARDRA, ITS-PCR, Rep-PCR analyses. *Pol. J. Microbiol.,* **62(2),** 2013, 149-163, ISSN 1733-1331 **(207)**

639. Zhang X-Q, Zhang Z-L, Wu N, Zhu X-F, Wu M. *Anoxybacillus vitaminiphilus* sp. nov., a strictly aerobic and moderately thermophilic bacterium isolated from a hot spring. *Int. J. Syst. Evol. Microbiol.,* **63(PART 11),** 2013, 4064-4071, art. no. 050096, ISSN 1466-5026 **(207)**

640. Hauli I, Sarkar B, Mukherjee T, Mukhopadhyay SK. Isolation and identification of a novel thermo-alkaline, thermostable, SDS and chelator resistant amylase producing *Anoxybacillus* sp. IB-A from hot spring of Bakreswar, West Bengal (India). *Adv. Appl. Sci, Res.,* **4(5),** 2013, 202-212, ISSN 0976-8610 **(207)**

641. Mehta D, Satyanarayana T. Diversity of Hot Environments and Thermophilic Microbes. Thermophilic Microbes in Environmental and Industrial Biotechnology. Biotechnology of thermophiles. Editors Satyanarayana T, Littlechild J, Kawarabayasi Y, Springer, **1**, 2013, 3-60. **ISBN** 978-94-007-5899-5 **(207)**

642. Sanguiné AM. Caracterización fenotípica y genotípica de cepas de *Anoxybacillus* aisladas de leches en polvo commercial, 2013, Universidad de la República, Montevideo, Uruguay **(207)**

643. Ramani K, Saranya P, Jain SC, Sekaran G. Lipase from marine strain using cooked sunflower oil waste: Production optimization and application for hydrolysis and

thermodynamic studies. *Bioprocess Biosyst. Eng.,* **36(3),** 2013, 301-315, ISSN 1615-7591 **(208)**

644. Romero CM, Pera LM, Loto FV, Costas L, Baigorí MD. Pretreatment of an induced mycelium-bound lipase from *Aspergillus niger* MYA 135 improves its hydrolytic and synthetic activity. *Catal. Lett.,* **143(5),** 2013, 469-475, ISSN 1011-372X **(208)**

645. Erdem NS, Alawani N, Wesdemiotis C. Characterization of polysorbate 85, a nonionic surfactant, by liquidchromatography vs. ion mobility separation coupled with tandemmass spectrometry. *Anal. Chim. Acta*, 2013, in press, ISSN 0003-2670 **(208)**

646. Saranya P, Sukanya Kumari H, Prasad Rao B, Sekaran G. Lipase production from a novel thermo-tolerant and extreme acidophile *Bacillus pumilus* using palm oil as the substrate and treatment of palm oil-containing wastewater. *Environ. Sci. Pollut. R.,* 2013, in press, ISSN 0944-1344 **(208)**

647. Sanjari S, Naderifar A, Pazuki G. Modeling and optimization of β-cyclodextrin production by *Bacillus licheniformis* using artificial neural network and genetic algorithm. *Iranian J. Biotechnol*., **11(4),** 2013, 223-232, ISSN 1728-3043 **(209)**

648. Robatjazi SM, Shojaosadati SA, Khalilzadeh R, Farahani EV, Zeinoddini M. Continuous biodegradation of parathion by immobilized *Sphingomonas* sp. in magnetically fixed-bed bioreactors and evaluation of the enzyme stability of immobilized bacteria. *Biotechnol*. *Lett*., **35(1),** 2013, 67-73, ISSN 0141-5492 **(209)**

649. Bzducha-Wróbel, A., Kieliszek, M., Błazejak, S. Chemical composition of the cell wall of probiotic and brewer's yeast in response to cultivation medium with glycerol as a carbon source. *European Food Research and Technology* **237**, 2013, 489-499, ISSN 1438-2377 **(210)**

650. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar KS, Pandey A. Studies on structural and physical characteristics of a novel exopolysaccharide from *Pseudozyma* sp. NII 08165. *International Journal of Biological Macromolecules* **59**, 2013, 84-89, ISSN 0141-8130 **(210)**

651. Griffiths MWW., Tellez AM. *Lactobacillus helveticus*: The proteolytic system. *Frontiers in Microbiology* 2013, 4 (MAR), article no 30, ISSN 1664-302X **(211)**

652. Costa P., Gonçalves S., Valentão P., Andrade P.B., Romano A. Accumulation of phenolic compounds in in vitro cultures and wild plants of *Lavandula viridis* L'Hér and their antioxidant and anti-cholinesterase potential. *Food and Chemical Toxicology* **57**, 2013, 69-74, ISSN 0278-6915 **(212)**

653. Goncalves S., Anabela R. *In vitro* culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites. *Biotechnology Advances* 3**1**, 2013, 166-174, ISSN 0734-9750 **(212)**

654. Ren A., Ouyang X., Shi L., Jiang A-L., Mu D-S., Li M-J., Han Q., Zhao M-W. Molecular characterization and expression analysis of *GlHMGS*, a gene encoding hydroxymethylglutaryl-CoA synthase from *Ganoderma lcidum* (Ling-zhi) in ganodermic acid biosynthetic pathway. *World Journal of Microbiology and Biotechnology*, **29**, 2013, 523-531, ISSN 0959-3993 **(212)**

655. Sahu R., Gangopadhyay M., Dewanjee S. Elicitor-induced rosmarinic acid accumulation and secondary metabolism enzyme activities in *Solenostemon*

scutellarioides. *Acta Physiologiae Plantarum* **35(5),** 2013, 1473-1481, ISSN 0137-5881 **(212)**

656. Vukovic R., Bauer N., Curkovic-Perica M. Genetic elicitation by inducible expression of *β*-cryptogein stimulates secretion of phenolics from *Coleus blumei* hairy roots. *Plant Science* 199, 2013, 18-28, ISSN 0168-9452 212 **(212)**

657. Tasheva K., Kosturkova G. Role of biotechnology for protection of endangered medicinal plants. In: Environmental Biotechnology - New Approaches and Prospective Applications, (Petre M. ed.). *InTech Publisher*, 2013, 235-285, **ISBN** 978-953-51-0972-3. **(213)**

658. Ptak A., El Tahchy A., Skrzypek E., Wójtowicz T., Laurain-Mattar D. Influence of auxins on somatic embryogenesis and alkaloid accumulation in *Leucojum aestivum* callus. *Central European Journal of Biology*, **8(6),** 2013, 591-599, ISSN 1895-104X **(213)**

659. Lasekan A, Abu Bakar F, Hashim D. Potential of chicken by-products as sources of useful biological resources. *Waste management*, **33**, 2013, 552-565, ISSN 0956-053X **(214)**

660. Piazza GJ, Garcia RA. Proteolysis of meat and bone meal to increase utilization. *Animal Production Science*, 2013 - CSIRO http://dx.doi.org/10.1071/AN13041, ISSN 1836-0939 **(214)**

661. Tejada M, García-Martínez AM, Rodríguez-Morgado B, Carballo M, García-Antras D, Aragón C, Parrado J. Obtaining biostimulant products for land application from the sewage sludge of small populations. *Ecological Engineering*, **50**, 2013, 31-36, ISSN 0925-8574 **(214)**

662. Taskin M. A new strategy for improved glutathione production from *Saccharomyces cerevisiae*: use of cysteine- and glycine-rich chicken feather protein hydrolysate as a new cheap substrate. *Journal of the Science of Food and Agriculture*, **93**, 2013, 535-541, ISSN 0022-5142 **(214)**

663. Cray JA, Bell ANW, Bhaganna P, Mswaka AY, Timson DJ, Hallsworth JE. The biology of habitat dominance; can microbes behave as weeds? *Microbial Biotechnology*, **6**, 2013, 453-492, ISSN 1751-7915 **(215)**

664. Hua F, Wang H. Selective pseudosolubilization capability of *Pseudomonas* sp. DG17 on n-alkanes and uptake mechanisms analysis. *Frontiers of Environmental Science and Engineering*, 7, 2013, 539-551, ISSN 2095-2201 **(215)**

665. Marajan C, Ramasamy K, Abdul-Talib S. Screening Microbial Surface Active Compound Produced by Bacteria Isolated from Various Waste Streams. *Advanced Materials Research*, **701**, 2013, 394-398, ISSN 1662-8985 **(215)**

666. Sachdev DP, Cameotra SS. Biosurfactants in agriculture. *Applied Microbiology and Biotechnology*, **97**, 2013, 1005-1016, ISSN 0175-7598 **(215)**

667. Tabatabaee MS, Assadi MM. Vacuum distillation residue upgrading by an indigenous bacillus cereus. *Journal of Environmental Health Science and Engineering*, **11,** 2013, 1-7, ISSN 2052-336X **(215)**

668. Enguita FJ, Leitão AL. Hydroquinone: environmental pollution, toxicity, and microbial answers. *BioMed Research International*, 2013, art. no. 542168, ISSN 2314-6133 **(216)**

669. Petrova MI, van den Broek M, Balzarini J, Vanderleyden J, Lebeer S. Vaginal microbiota and its role in HIV transmission and infection. *FEMS Microbiology Reviews*, **37 (5)**, 2013, 762-792, ISSN 1574-6976 **(217)**

670. Kaewnopparat S, Dangmanee N, Kaewnopparat N, Srichana T, Chulasiri M, Settharaksa S. Invitro probiotic properties of *Lactobacillus fermentum* SK5 isolated from vagina ofa healthy woman. *Anaerobe*, **22**, 2013, 6-13, ISSN 1075-9964 **(217)**

671. Bu G, Luo Y, Chen F, Liu K, Zhu T. Milk processing as a tool to reduce cow's milk allergenicity: A mini-review. *Dairy Science and Technology*, **93(3)**, 2013, 211-223. ISSN 1958-5586 **(218)**

672. Kaur B, Balgir PP, Mittu B, Kumar B, Garg N. Biomedical applications of fermenticin HV6b isolated from lactobacillus fermentum HV6b MTCC10770. *BioMed Research International*, 2013, art. no. 168438, ISSN 2314-6133 **(219)**

673. Vidhyasagar V, Jeevaratnam K. Evaluation of *Pediococcus pentosaceus* strains isolated from Idly batter for probiotic properties in vitro. *Journal of Functional Foods*, **5(1)**, 2013, 235-243. ISSN 0362-028X **(219)**

674. Volzing K, Borrero J, Sadowsky MJ, Kaznessis YN. Antimicrobial peptides targeting gram-negative pathogens, produced and delivered by lactic acid bacteria. *ACS Synthetic Biology*, **2(11)**, 2013, 643-650, ISSN: 2161-5063 **(219)**

675. Yue T, Pei J, Yuan Y. Purification and characterization of anti-Alicyclobacillus bacteriocin produced by *Lactobacillus rhamnosus*. *Journal of Food Protection*, **76(9)**, 2013, 1575-1581, ISSN 0362-028X **(219)**

676. Aderibigbe FA, Adejumo AL, Owolabi RU, Anozie AN. Optimization of enzymatic hydrolysis of *Manihot esculenta* root starch by α-amylase and glucoamylase using response surface methodology. *Chem. Proc. Eng. Res.* **9**, 2013, 14-22, ISSN 2224-7467 **(220)**

677. Thongchul N. Production of lactic acid and polylactic acid for industrial applications. *In*: Bioprocessing technologies in biorefinery for sustainable production of fuels, chemicals, and polymers, 2013, *Wiley*, **ISBN** 9781118641941 **(220)**

678. Yuan G., Hong K., Lin H., She Z., Li J. New azalomycin F analogs from mangrove *Streptomyces* sp. 211726 with activity against microbes and cancer cells. *Marine Drugs* **11(3)**, 2013, 817-829, ISSN 1660-3397 **(221).**

679. Yuwen L., Zhang F.-L., Chen Q.-H., Lin S.-J., Zhao Y.-L., Li Z.-Y. The role of aromatic L-amino acid decarboxylase in bacillamide C biosynthesis by *Bacillus atrophaeus* C89. *Sci. Reports* 3, 2013, art. no. 1753, ISSN 2045-2322 **(222)**

680. Liu J.-T., Lu X.-L., Liu X.-Y., Gao Y., Hu B., Jiao B.-H., Zheng H. Bioactive natural products from the antarctic and arctic organisms. *Mini-Rev. Medicin. Chem.* **13(4)**, 2013, 617-626, ISSN 1875-5607 **(222)**

681. Liu J.-T., Lu X.-L., Liu X.-Y., Gao Y., Hu B., Jiao B.-H., Zheng H. Bioactive natural products from the antarctic and arctic organisms. *Mini-Rev. Medicin. Chem.* **13(4),** 2013, 617-626, ISSN 1875-5607 **(223)**

682. Господинов М, Господинова Е, Чешмеджиев К. Автоматизирана система за производство на възобновяема енергия от биомаса. *Автоматика и информатика* **1**, 2013, 7-12, ISSN 0861-7562 **(224)**

683. Zheng B-Y, Lin T, Yang H-H, Huang J-D. Photodynamic inactivation of Candida albicans sensitized by a series of novel axially di-substituted silicon (IV) phthalocyanines, *Dyes Pigments* **96***,* 2013, 547-553, ISSN 0143-7208 **(225)**

684. Zheng, B.-Y., Zhang, H.-P., Ke, M.-R., Huang, J.-D. Synthesis and antifungal photodynamic activities of a series of novel zinc(II) phthalocyanines substituted with piperazinyl moieties . *Dyes Pigments* 99, 2013, 1, 185-191, ISSN 0143-7208 **(225)**

685. Ryskova L., Buchta V., Karaskova M., Rakusan J., Cerny J., Slezak R. In vitro antimicrobial activity of light-activated phthalocyanines. *Cent. Eur. J. Biol.* 8, 2013, 2, 168-177, ISSN 1895-104X **(225)**

686. Hsieh MC, Chien CH, Chang CC, Chang TC. Aggregation induced photodynamic therapy enhancement based on linear and nonlinear excited FRET of fluorescent organic nanoparticles. *J. Mater. Chem. B*, 1, 2013, 18), 2350-2357, ISSN 2050-750X **(225)**

687. İnge M., Seven O., Dindar B. Synthesis, characterization and the photodynamic activity against some Gram negative and positive bacteria of novel subphthalocyanine derivative. *GU J Sci* (Gazi University Journal of Science) **26**, 2013,1,1-10, ISSN 1303-9709 **(225)**

688. Taraszkiewicz A., M. Grinholc, KP. Bielawski, A. Kawiak, J. Nakonieczna. Imidazoacridinone derivatives as efficient sensitizers in photoantimicrobial chemotherapy. *Appl. Environ. Microbiol.* **79**, 2013, 12, 3692-3702, ISSN 0099-2240 **(225)**

689. Ağırtaş MS., Çelebi, M., Gümüş, S., Özdemir, S., Okumuş, V. New water soluble phenoxy phenyl diazenyl benzoic acid substituted phthalocyanine derivatives: Synthesis, antioxidant activities, atypical aggregation behavior and electronic properties. *Dyes Pigments,* 99 (2013) 423-431, ISSN 0143-7208 **(225)**

690. Ribeiro APD, MC Andrade, VS Bagnato, CE Vergani, FL Primo, AC Tedesco, AC Pavarina. Antimicrobial photodynamic therapy against pathogenic bacterial suspensions and biofilms using chloro-aluminum phthalocyanine encapsulated in nanoemulsions. *Lasers Med Sci* 2013, DOI 10.1007/s10103-013-1354-x, ISSN 0268-8921 **(225)**

691. Di Palma, M.A., Alvarez, M.G., Ochoa, A.L., Milanesio, M.E., Durantini, E.N., Optimization of cellular uptake of zinc(II) 2,9,16,23-tetrakis[4-(*N*-methylpyridyloxy)]phthalocyanine for maximal photoinactivation of *Candida albicans*. *Fung., Biol.,* **117***,* 2013, 11-12, 744-751, ISSN 0953-7562, **(225)**

692. Vecchio, D., Dai, T., Huang, L., Fantetti, L., Roncucci, G., Hamblin, M.R. Antimicrobial photodynamic therapy with RLP068 kills methicillin-resistant Staphylococcus aureus and improves wound healing in a mouse model of infected skin abrasion PDT with RLP068/Cl in infected mouse skin abrasion. *J. Biophotonics* **6**, 2013, 9, 733-742, ISSN 1864-063X, **(225)**

693. Ribeiro, APD., Andrade, MC., Da Silva, J F., Jorge, GH., Primo, FL., Tedesco, AC., Pavarina, AC. Photodynamic inactivation of planktonic cultures and biofilms of

Candida albicans mediated by aluminum-chloride-phthalocyanine entrapped in nanoemulsions. *Photochem. Photobiol.,* **89**,2013,1, 111-119, ISSN 0031-8655 **(225)**

694. Karniychuk, U.U. , Nauwynck, H.J. Pathogenesis and prevention of placental and transplacental porcine reproductive and respiratory syndrome virus infection (Review). *Veterinary Research* **44(1)**, 2013, ISSN 0928-4249 **(226)**

695. Samborski A., Graf A., Krebs S., Kessler B., Reichenbach M., Reichenbach H.D., Ulbrich S.E., Bauersachs S. Transcriptome Changes in the Porcine Endometrium During the Pre-attachment Phase. *Biology of Reproduction* **89(6)**, 134, 2013, 1-16. ISSN 0006-3363 **(226)**

696. Vollmers, E.M., Tattersall, P. Distinct host cell fates for human malignant melanoma targeted by oncolytic rodent parvoviruses. *Virology*, **446(1-2),** 2013, 37-48, ISSN:0042-6822 **(227)**

697. Espinoza-Quiñones F.R., Módenes A.N., Santos G.H.F., Borba C.E., Rizzutto M.A., Ravagnani M.A.S.S. Thin and thick target PIXE analyses to assess the mechanism of Cu2+ removal by *Egeria densa*. *Appl. Radiat. Isotop.* 82, 2013, 1-6, ISSN 0969-8043 **(228).**

698. Rogers H., Williams D.W., Feng G.J., Lewis M.A.O., Wei X.Q. Role of bacterial lipopolysaccharide in enhancing host immune response to candida albicans. *Clinical and Developmental Immunology*, 2013, 2013, ISSN 1740-2522 **(229)**

699. Jahan R., Rahman T., Rahmatullah M. Plants Used in Folk Medicine of Bangladesh for Treatment of Tinea Infections. *In: Antifungal Metabolites from Plants:* Springer; 2013, 333-366. **ISBN** 978-3-642-38075-4 **(230)**

700. Das, N., Biswas, B., Khera, R. Membrane-bound complement regulatory proteins as biomarkers and potential therapeutic targets for SLE. *Advances in Experimental Medicine and Biology*, **734,** 2013, 55-81 ISSN 0065-2598 **(231)**

701. Menković N., Godevac D., Šavikin K., Zdunić G., Milosavljević S., Bojadži A., Avramoski O. Bioactive compounds of endemic species *Sideritis raeseri subsp. raeseri* grown in National Park Gal. *Records of Natural Products*, **3, 7,** 2013, 161-168, ISSN 1307-6167 **(232)**

702. Karapandzova M., Qazimi B., Stefkov G., Bačeva K., Stafilov T., Panovska TK., Kulevanova S. Chemical characterization, mineral content and radical scavenging activity of *Sideritis scardica* and *S. raeseri* from R. Macedonia and R. Albania. *Natural Product Communications*, **5, 8**, 2013, 639-644, ISSN 1934-578X **(232)**

703. Ragheb MN., FordCB., Chase MR., Ling Lin P, Flynn JL., Fortune SM. The mutation rate of mycobacterial repetitive unit loci in strains of *M. tuberculosis* from cynomolgus macaque infection. *BMC Genomics*, **14**, 2013, 145 ISSN 1471-2164 **(233)**

704. Gomgnimbou MK, Hernández-Neuta I, Panaiotov S, Bachiyska E, Palomino JC, Martin A, del Portillo P, Refregier G, Sola C. Tuberculosis-spoligo-rifampin-isoniazid typing: an all-in-one assay technique for surveillance and control of multidrug-resistant tuberculosis on Luminex devices. J Clin Microbiol., **51**, 2013, 3527-34, ISSN 00951137 **(233)**

705. Luncă C., Dorneanu OS., Diculencu D., Vremeră T. , BădescuA., Olaru S P., Iancu L Molecular detection of rifampicin resistance in multidrug-resistant Mycobacterium

tuberculosis strains from North-Eastern Romania. Romanian Review of Laboratory Medicine. **21**, 2013, 293–299, ISSN 2284-562 **(233)**

706. Luncă Cătălina *et al.* Molecular detection of rifampicin resistance in multidrug-resistant Mycobacterium tuberculosis strains from North-Eastern Romania/Detecția moleculară a rezistenței la rifampicină pentru tulpini multidrogrezistente de Mycobacterium tuberculosis izolate în nord-estul României. *Romanian Review of Laboratory Medicine* **21.3**, 2013, 293-299, ISSN 1841-6624 **(234)**
707. Lu W., Lu B., Liu Q et al., Genotypes of Mycobacterium tuberculosis isolates in rural China: Using MIRU-VNTR and spoligotyping methods. doi:10.3109/ 00365548.2013.858182) **(235)**
708. Fitzgibbon M. M. *et al.* A snapshot of genetic lineages of Mycobacterium tuberculosis in Ireland over a two-year period, 2010 and 2011. *Euro Surveill* **18.3**, 2013, ISSN 1025-496X **(235)**
709. Pereira Alyne Melo *et al*. Análise molecular de *Mycobacterium tuberculosis* isolados de pacientes atendidos em goiânia, goiás, por meio do rflp-is6110 e do 15 loci miru-vntr. *Revista de Patologia Tropical* **42.3**, 2013, ISSN 1980-8178 **(235)**
710. Rivadeneira Josefina *et al*. In vitro antistaphylococcal effects of a novel 45S5 bioglass/agar–gelatin biocomposite films. *Journal of Applied Microbiology*.**115**, 2013, 604-12. ISSN 1365-2672 **(236)**
711. Fogaca Renata; Luiz H. Catalani. PVP Hydrogel Membranes Produced by Electrospinning for Protein Release Devices. *Soft Materials.* **11.1**, 2013, 61-68. ISSN 1539-445X **(236)**
712. Lucentini L., Pettine P., Stottmeister E., Menichini E., Chemical analysis o f the quality of water for human consumption: Proposal for the revision of the performance requirements in the Drinking Water Directive 98/83/EC, *Trends in Analytical Chemistry*, **45**, 2013, 37-47, ISSN 0165-9936 **(237)**
713. Guirardello, R. Prediction of the copper (II) ions dynamic removal from a medium by using mathematical models with analytical solution. *J. Hazard. Mater.* **152(1),** 2008, 366-372, ISSN 0304-3894 **(237)**
714. Módenes A.N., Espinoza-Quiñones F.R., Santos G.H.F., Borba C.E., Rizzutto M.A. Assessment of metal sorption mechanisms by aquatic macrophytes using PIXE analysis. *J. Hazard. Mater.* **261**, 2013, 148-154, ISSN 0304-3894 **(238)**
715. Xiao G., Zhang X., Su H., Tan T. Plate column biosorption of Cu(II) on membrane-type biosorbent (MBS) of Penicillium biomass: Optimization using statistical design methods. *Biores. Technol.* **143**, 2013, 490-498, ISSN 0960-8524 **(238)**
716. Carpiné D., Dagostin J.L.A., Da Silva V.R., Igarashi-Mafra L., Mafra M.R. Adsorption of volatile aroma compound 2-phenylethanol from synthetic solution onto granular activated carbon in batch and continuous modes. *J. Food Eng.* **117(3),** 2013, 370-377, ISSN 0260-8774 **(238)**
717. Spirk S., Findenig G., Doliska A., Reichel V.E., Swanson N.L., Kargl R., Ribitsch V., Stana-Kleinschek K. Chitosan-silane sol-gel hybrid thin films with controllable layer thickness and morphology. *Carbohydrate Polymers* **93(1**), 2013, 285-290, ISSN 0144-8617 **(239)**

718. Ciesielczyk F., Klapiszewski Ł., Szwarc-Rzepka K., Jesionowski T. A novel method of combination of Kraft lignin with synthetic mineral support. *Adv. Powder Technol.* 2013, http://dx.doi.org/10.1016/j.apt.2013.10.016 **(239)**

719. Shang D., Sun X., Hang J., Jin L., Shi L. Preparation and stability of silica sol/TPGDA dispersions and its application in the UV-curable hybrid coatings for fire protection. *J. Sol-Gel Sci. Technol.* 67(1), 2013, 39-49, ISSN 1573-4846 **(240)**

720. Tsekova K.V., Chernev G.E., Hristov A.E., Kabaivanova L.V. Phenol biodegradation by fungal cells immobilized in sol-gel hybrids. *Z. Naturforsch*. **68c (1-2)**, 2013, 53-59, ISSN 0939-5075 **(241)**

721. de Lima M.A.B., Franco L.O., de Souza P.M., do Nascimento A.E., da Silva C.A.A. et al. Cadmium tolerance and removal from *Cunnghamella elegans* related to the polyphosphate metabolism. *Int. J. Molecul. Sci.* **14(4),** 2013, 7180-7192, ISSN 1422-0067 **(242)**

722. Bianucci E., Fullana C., Furlan A., Castro S. Antioxidant defense system responses and role of nitrate reductase in the redox balance maintenance in *Bradyrhizobium japonicum* strains exposed to cadmium. *Enzyme Microb. Technol.* **53(5),** 2013, 345-350, ISSN 0141-0229 **(242).**

723. Kumar V, Satyanarayana T. Thermoalkaliphilic Microbes. Polyextremophiles. Cellular Origin, Life in Extreme Habitats and Astrobiology. Editors Seckbach J, Oren A, Stan-Lotter H, Springer, **27**, 2013, 271-296, **ISBN** 978-94-007-6487-3 **(243)**

724. Sun T, Letsididi R, Pan B,Jiang B. Production of a novel Cyclodextrin glycosyltransferase from *Bacillus* sp. SK13.002. *Afr. J. Microbiol. Res*., **7(20),** 2013, 2311-2315, ISSN 1996-0808 **(243)**

725. Alshubaith I, Molecular Identification and Characterisation of Extremophilic and Pathogenic Microorganisms from Water Samples Collected in the UK and Saudi Arabia. PhD thesis, 2013, University of Sheffield **(243)**

726. Soumanou MM, Pérignon M, Villeneuve P. Lipase-catalyzed interesterification reactions for human milk fat substitutes production: A review. *Eur. J. Lipid Sci. Technol.,* **115(3),** 2013, 270-285, ISSN 1438-7697 **(244)**

727. Bhavya R, Sandhya M, Rajesh M. Advances in Heterogeneous and Enzymatic Catalysis for the Industrial Production of Biodiesel by Transesterification: An Overview. *Curr. Chem*. *Biol*., **7(2),** 2013, 104-113, ISSN 1872-3136 **(244)**

728. Goh KM, Kahar UM, Chai YY, Chong CS, Chai KP, Ranjani V, Illias RM, Chan K-G. Recent discoveries and applications of *Anoxybacillus*. *Appl. Microbiol. Biotechnol.,* **97(4),** 2013, 1475-1488, ISSN 0175-7598 **(245)**

729. Cihan AC. Taxonomic classification of *Anoxybacillus* isolates from geothermal regions in Turkey by 16S rRNA gene sequences and ARDRA, ITS-PCR, Rep-PCR analyses. *Pol. J. Microbiol.,* **62(2),** 2013, 149-163, ISSN 1733-1331 **(245)**

730. Zhang X-Q, Zhang Z-L, Wu N, Zhu X-F, Wu M. *Anoxybacillus vitaminiphilus* sp. nov., a strictly aerobic and moderately thermophilic bacterium isolated from a hot spring. *Int. J. Syst. Evol. Microbiol.,* **63(PART 11),** 2013, 4064-4071, art. no. 050096, ISSN 1466-5026 **(245)**

731. Mehta D, Satyanarayana T. Diversity of Hot Environments and Thermophilic Microbes. Thermophilic Microbes in Environmental and Industrial Biotechnology. Biotechnology of thermophiles. Editors Satyanarayana T, Littlechild J, Kawarabayasi Y, Springer, 1, 2013, 3-60. **ISBN** 978-94-007-5899-5 **(245)**

732. Sanguiné AM. Caracterización fenotípica y genotípica de cepas de *Anoxybacillus* aisladas de leches en polvo commercial, 2013, Universidad de la República, Montevideo, Uruguay **(245)**

733. Goh KM, Kahar UM, Chai YY, Chong CS, Chai KP, Ranjani V, Illias RM, Chan K-G. Recent discoveries and applications of *Anoxybacillus*. *Appl. Microbiol. Biotechnol.,* **97(4),** 2013, 1475-1488, ISSN 0175-7598 **(246)**

734. Cihan AC. Taxonomic classification of *Anoxybacillus* isolates from geothermal regions in Turkey by 16S rRNA gene sequences and ARDRA, ITS-PCR, Rep-PCR analyses. *Pol. J. Microbiol.,* **62(2),** 2013, 149-163, ISSN 1733-1331 **(246)**

735. Yang G, Zhou X, Zhou S, Yang D, Wang Y, Wang D**.** *Bacillus thermotolerans* sp. nov., a thermophilic bacterium capable of reducing humus. *Int. J. Syst. Evol. Microbiol.,* **63(PART 10)**, 2013, 3672-3678, ISSN 1466-5026 **(246)**

736. Sharma N, Vyas G, Pathania S. Culturable Diversity of Thermophilic Microorganisms Found in Hot Springs of Northern Himalayas and to Explore Their Potential for Production of Industrially Important Enzymes. *Sch. Acad. J. Biosci*., **1(5),** 2013, 165-178, ISSN 2321-6883 **(246)**

737. Singh RN, Kaushik R., Arora DK, Saxena AK. Prevalence of opportunist pathogens in thermal springs of devotion. *J. Appl. Sci. Environ. Sanit*., **8(3),** 2013, 195-203, ISSN 0126-2807 **(246)**

738. Sanguiné AM. Caracterización fenotípica y genotípica de cepas de *Anoxybacillus* aisladas de leches en polvo commercial, 2013, Universidad de la República, Montevideo, Uruguay **(246)**

739. Javashree S., Pushpanathan M., Rajendhran J., Gunasekaran P. Microbial diversity and phylogeny analysis of buttermilk, a fermented milk product, employing 16S rRNA-based pyrosequencing. *Food Biotechnology* **27**, 2013, 213-221, ISSN 0890-5436 **(247)**

740. Hyun S-H., Lee S-Y., Sung G-H., Kim S.H., Choi H-K. Metabolic profiles and free radical scavenging activity of *Cordyceps bassiana* fruiting bodies according to developmental stage. *PLoS ONE* 8(9), 2013, e73065, ISSN 1932-6203 **(248)**

741. Ashraf M.F., Aziz M.A., Stanslas J., Kadir M.A. Optimization of immersion frequency and medium substitution on microtuberization of *Chlorophytum borivilianum* in RITA system on production of saponins. *Process Biochemistry* **48**, 2013, 73-77, ISSN 1359-5113 **(249)**

742. Mioto P.T., Mercier H. Abscisic acid and nitric oxide signaling in two different portions of detached leaves of *Guzmania monostachia* with CAM up-regulated by drought. *Journal of Plant Physiology* 170, 2013, 996-1002, ISSN 0176-1617 **(249)**

743. Mišić D., Šiler B., Skorić M., Djurickovic M.S., Nestorović Živković J., Jovanović V., Giba Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry*, **48(10),** 2013, 1587-1591, ISSN 1359-5113 **(250)**

744. Ashraf M.F., Aziz M.A., Stanslas J., Kadir M.A. Optimization of immersion frequency and medium substitution on microtuberization of *Chlorophytum borivilianum* in RITA system on production of saponins. *Process Biochemistry*, **48(1),** 2013, 73–77, ISSN 1359-5113 **(251)**

745. Bama K., Pandiselvi K., Savitha K.U., Prabu H.G. Dyeing of silk fabric with betalain dyes. *International Dyer*, 198(4), 2013, 44-45, ISSN 0020-658X, **(251)**

746. Karaaslan M., Ozden M., Vardin H., Yilmaz F.M. Optimisation of phenolic compound biosynthesis in grape (Bogazkere Cv.) callus culture. *African Journal of Biotechnology*, **12(25),** 2013, 3922-3933, ISSN 1684-5315, **(251)**

747. Patil R.A., Roberts S.C. Implications of cellular heterogeneity on plant cell culture performance. In: Biotechnology for Medicinal Plants (Chandra S., Lata H., Varma A. eds.). *Springer Berlin Heidelberg*, 2013, 207-239, **ISBN** 978-3-642-29974-2. **(252)**

748. Sharma P., Padh H., Shrivastava N. Hairy root cultures: A suitable biological system for studying secondary metabolic pathways in plants. *Engineering in Life Sciences*, **13(1),** 2013, 62-75, ISSN 1618-2863 **(252)**

749. Choudhury R.R., Basak S., Ramesh A.M., Rangan L. Nuclear DNA content of *Pongamia pinnata* L. and genome size stability of in vitro-regenerated plantlets. *Protoplasma*, 2013, 1-7, DOI 10.1007/s00709-013-0545-4, ISSN 0033-183X. **(252)**

750. Perera P.I.P., Ordoñez C.A., Lopez-Lavalle L.B., Dedicova B. A milestone in the doubled haploid pathway of cassava. *Protoplasma*, 2013, 1-14, DOI 10.1007/s00709-013-0543-6, ISSN 0033-183X **(252)**

751. Ba A., Ndiaye P.I., Ba C.T., Miguel J. Ultrastructure of the spermatozoon of *Anomotaenia quelea* (Mettrick, 1961)(Cestoda, Cyclophyllidea, Dilepididae), an intestinal parasite of *Quelea quelea* (Aves, Ploceidae) in Senegal. *Zool Anzeiger* **253,** 2013, 119-125, ISSN 0044-523 (253)

752. Бирюк ЕН, Фурик НН, Асташонок ММ. Селекция изолятов заквасочных культур лактококков и термофильного стрептококка по ферментативной активности. *Материалы XVI Международной научно-практической конференции по технологии хранения и переработки сельскохозяйственной продукции,* РУП «Институт мясо-молочной промышленности» 2013, Минск, Республика Беларусь. **(254)**

753. Bekkali N, Amraoui AE, Hammoumi A, Poinsot V, Belkhou R. Use of *Lactococci* isolated from Moroccan traditional dairy product: Development of a new starter culture. *Afr. J. Biotechnol.*, **12(38),** 2013, 5662-5669, ISSN 1684-5315 **(254)**

754. Kostadinova-Georgieva L, Bosakova-Ardenska A, Dobrev I. Store data from experiments with microorganisms used in food industry. *International Journal of Intelligent Systems and Applications in Engineering,* **1(3),** 2013, 40-43, ISSN 1740-8865 **(254)**

755. Reginensi SM, González MJ, Bermúdez J. Phenotypic and genotypic characterization of lactic acid bacteria isolated from cow, ewe and goat dairy artisanal farmhouses. *Braz. J. Microbiol.*, 44(2), 2013, 427-430, ISSN 1517-8382 **(254)**

756. Alshubaith I. Molecular identification and characterisation of extremophilic and pathogenic microorganisms from water samples collected in the UK and Saudi Arabia. PhD Thesis, 2013, University of Sheffield **(255)**

757. Kumar V, Satyanarayana T. Thermoalkaliphilic microbes. In: Seckbach J. et al. (eds.), Polyextremophiles: Life under multiple forms of stress, cellular origin, life in extreme habitats and astrobiology, **27,** 2013, 271–296. Springer Science&Business Media Dordrecht, **ISBN** 978-94-007-6487-3 **(255)**

758. Belicová A, Mikulášová M, Dušinský R. Probiotic potential and safety properties of *Lactobacillus plantarum* from Slovak Bryndza cheese. *BioMed Research International*, 2013, art. no. 760298, ISSN 2314-6133 **(256)**

759. Fontana L, Bermudez-Brito M, Plaza-Diaz J, Muñoz-Quezada S, Gil A. Sources, isolation, characterization and evaluation of probiotics. *British Journal of Nutrition*, **109(2)**, 2013, S35-S50, ISSN 0007-1145 **(256)**

760. Ramos CL, Thorsen L, Schwan RF, Jespersen L. Strain-specific probiotics properties of *Lactobacillus fermentum*, *Lactobacillus plantarum* and *Lactobacillus brevis* isolates from Brazilian food products. *Food Microbiology*, **36(1)**, 2013, 22-29, ISSN 0740-0020 **(256)**

761. Sharafi H, Alidost L, Lababpour A, Shahbani Zahiri H, Abbasi H, Vali, H, Akbari Noghabi K. Antibacterial activity of probiotic *Lactobacillus plantarum* HK01: Effect of divalent metal cations and food additives on production efficiency of antibacterial compounds. (2013) *Probiotics and Antimicrobial Proteins*, **5(2)**, 2013, 121-130, ISSN 1867-1306 **(256)**

762. Valan Arasu, M, Jung M-W, Ilavenil S, Jane M, Kim D-H, Lee K-D, Park H-S, Hur T-Y, Choi G-J, Lim Y-C, Al-Dhabi NA, Choi K-C. Isolation and characterization of antifungal compound from *Lactobacillus plantarum* KCC-10 from forage silage with potential beneficial properties. *Journal of Applied Microbiology*, **115 (5)**, 2013, 1172-1185, ISSN 1365-2672 **(256)**

763. Yu Z, Zhang X, Li S, Li C, Li D, Yang Z. Evaluation of probiotic properties of *Lactobacillus plantarum* strains isolated from Chinese sauerkraut. *World Journal of Microbiology and Biotechnology*, **29 (3)**, 2013, 489-498, ISSN 0959-3993 **(256)**

764. CAS Gaspar Development of multiplex-PCR assay for the simultaneous detection and identification of ten Lactobacillus species in clinical samples., 2013, ubithesis. ubi.pt (PhD thesis, Portuguesa) **(257)**

765. Donelli G, Vuotto C, Mastromarino P. Phenotyping and genotyping are both essential to identify and classify a probiotic microorganism. *Microbial Ecology in Health and Diseases*, **24(1-7)**, 2013, ISSN 0891-060X **(257)**

766. Martínez-Peña MD, Castro-Escarpulli G, Aguilera-Arreola MG. Lactobacillus species isolated from vaginal secretions of healthy and bacterial vaginosis-intermediate Mexican women: A prospective study. BMC Infectious Diseases, **13(1)**, 2013, art. no. 189, ISSN 1471-2334 **(257)**

767. Petrova MI, van den Broek M, Balzarini J, Vanderleyden J, Lebeer S. Vaginal microbiota and its role in HIV transmission and infection. *FEMS Microbiology Reviews*, **37(5)**, 2013, 762-792, ISSN 1574-6976 **(257)**

768. Morales-Bayuelo A, Vivas-Reyes R. Theoretical model for the polarization molecular and Hückel treatment of PhosphoCyclopentadiene in an external electric field: Hirschfeld study. *Journal of Mathematical Chemistry*, **51(7)**, 2013, 1835-1852, ISSN 0259-9791 **(258)**

769. Kumar S, Arya D, Malhotra A, Kumar S, Kumar B. Biodegradation of Dual Phenolic substrates in simulated wastewater by *Gliomastix indicus* MTCC 3869. *Journal of Environmental Chemical Engineering* **1(4)**, 2013, 865–874, ISSN 2213-3437 **(259)**

770. Lassouane F, Amrani S, Aït-Amar H. Evaluation of o-cresol degradation potential by a strain of *Pseudomonas aeruginosa* S8. *Desalination and Water Treatment*, (ahead-of-print), **1-9**, 2013, ISSN 1944-3994 **(259)**

771. Tsekova KV, Chernev GE, Hristov AE, Kabaivanova LV. Phenol biodegradation by fungal cells immobilized in sol-gel hybrids. *Zeitschrift fur Naturforschung - Section C Journal of Biosciences*, **68 C(1-2)**, 2013, 53-59, ISSN 0939-5075 **(259)**

772. Carabajal M, Kellner H, Levin L, Jehmlich N, Hofrichter M, Ullrich R. The secretome of *Trametes versicolor* grown on tomato juice medium and purification of the secreted oxidoreductases including a versatile peroxidase. *Journal of Biotechnology* **168 (1)**, 2013, 15-23, ISSN 0168-1656 **(260)**

773. Hamad IS, Ahmed AAA. Biodegradation of phenols in wastewater using crude peroxidases from five weed plants. *Journal of Chemical and Pharmaceutical Research* **5(4),** 2013, 60-65, ISSN 0975-7384 **(260)**

774. Kumar S, Arya D, Malhotra A, Kumar S, Kumar B. Biodegradation of dual phenolic substrates in simulated wastewater by *Gliomastix indicus* MTCC 3869. *Journal of Environmental Chemical Engineering* **1(4)**, 2013, 865–874, ISSN 2213-3437 **(261)**

775. Abu N, Ho WY, Yeap SK, Akhta MN, Abdullah MP, Omar AR, Alitheen NB. The flavokawains: uprising medicinal chalcones. *Cancer Cell International*, **13(102)** 2013,doi:10.1186/1475-2867-13-102, ISSN 1475-2867 **(262)**

776. Arulkumaran R, Vijayakumar S, Sakthinathan SP, Kamalakkannan D, Ranganathan K, Suresh R, Sundararajan R, Vanangamudi G, Thirunarayanan G. Preheated fly-ash catalyzed aldol condensation: Efficient synthesis of chalcones and antimicrobial activities of some 3-thienyl chalcones. *Journal of the Chilean Chemical Society*, **58(2)**, 2013, 1684-1690, ISSN 0717-9707 **(262)**

777. Arulkumaran R, Vijayakumar S, Sundararajan R, Sakthinathan SP, Kamalakkannan D, Suresh R, Ranganathan K, Rajakumar PR, Vanangamudi G, Thirunarayanan G. Spectral correlations and antimicrobial activities of some 1-pyrenyl chalcones. *International Letters of Chemistry, Physics and Astronomy* **5**, 2013, 21-38, ISSN 2299 3843 **(262)**

778. Ayati A, Emami S. Straightforward synthesis of thiazoline-incorporated chalconoids from phenacyl halides. *Molecular Diversity*, **17(1)**, 2013, 41-44, ISSN 1381-1991 **(262)**

779. Baskara R, Babyb C, Monib MS, Subramanian K. Synthesis, characterization and dynamic NMR studies of a novel chalcone based N-substituted morpholine derivative. *Journal of Molecular Structure*, **1040(22)**, 2013, 90–99, ISSN 0022-2860 **(262)**

780. Dave1 H, Patel RN, Nimavat KS, Vyas KB, Patel PV. Study on synthesis of 6-phenyl-4-(4-(4-(p-tolyloxy) phenoxy) phenyl)-5**,** 6-dihydropyrimidin-2(1H)-one and their antimicrobial activity. *Archives of Applied Science Research*, **5 (1),** 2013, 40-44, ISSN 0975 508X **(262)**

781. Eilert E, Kranz A, Hollenberg CP, Piontek M, Suckow M. Synthesis and release of the bacterial compatible solute 5-hydroxyectoine in Hansenula polymorpha. *Journal of Biotechnology*, **167(2)**, 2013, 85–93, ISSN 0168-1656 **(262)**

782. Eilert E. New applications of heterologous gene expression in Hansenula polymorpha for protein and metabolite production" Inaugural-Dissertation zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen Fakultät der Heinrich-Heine-Universität Düsseldorf, Düsseldorf, März 2013, http://docserv.uni-duesseldorf.de **(262)**

783. Garg S, Ravish I, Raghav N. Analysis of bovine serum albumin in presence of some phenyl substituted chalcones. *International Journal of Pharmacy and Pharmaceutical Sciences*, **5 (1)**, 2013, 372-375, ISSN- 0975-1491 **(262)**

784. Garg S, Ravish I, Raghav N. Spectrophotometric Analysis Of Bovine Serum Albumin In Presence Of 3-Phenyl-1-(Pyridin-2-yl)Prop-2-en-1-ones. *International Journal of ChemTech Research*, **5(5)**, 2013, 2338-2343, ISSN 0974-4290 **(262)**

785. Gençer N, Bilen C, Demir D, Atahan A, Ceylan M, Küçükislamoğlu M. In vitro inhibition effect of some chalcones on erythrocyte carbonic anhydrase I and II. *Artificial Cells, Nanomedicine, and Biotechnology*, (doi:10.3109/21691401.2012. 761226), 2013, ISSN 2169-141X **(262)**

786. Guan L-P, Zhao D-H, Chang Y, Sun Y, Ding X-L, Jiang J-F. Design, synthesis and antidepressant activity evaluation 2′-hydroxy-4′, 6′-diisoprenyloxychalcone derivatives. *Medicinal Chemistry Research*, **22(11)**, 2013, 5218-5226, ISSN 1054-2523 **(262)**

787. Hassan SY. Synthesis, Antibacterial and Antifungal Activity of Some New Pyrazoline and Pyrazole Derivatives. *Molecules*, **18(3)**, 2013, 2683-2711, ISSN 1420-3049 **(262)**

788. Janaki P, Bhadraiah B, Acharya Nagarjuna P, Subhashini NJP. Synthesis and antibacterial activity of novel chalcone derivatives of apocynin. *Letters in Drug Design and Discovery*, **10(10)**, 2013, 923-927, ISSN 1570-1808 **(262)**

789. Janeczko T, Gładkowski W, Kostrzewa-Susłow E. Microbial transformations of chalcones to produce food sweetener derivatives. *Journal of Molecular Catalysis B: Enzymatic*, **98**, 2013, 55-61, ISSN 1381-1177 **(262)**

790. Kumar R, Arora J, Prasad AK, Islam N, Verma AK. Synthesis and antimicrobial activity of pyrimidine chalcones. *Medicinal Chemistry Research*, **22(11)**, 2013, 5624-5631, ISSN 1054-2523 **(262)**

791. Laxmi LD, Mangal SD, Parul T, Singh SD. New substituted m-Phenoxy chalcones; their synthesis by microwave irradiation and antifungal activity. *Asian Journal of Research In Chemistry*, **6(5)**, 2013, 461-463, ISSN 0974-4169 **(262)**

792. Mahawer C, Kumar MS, Agarwal A. Crystal Structure of {4-[3-(4-Fluoro-phenyl)-acryloyl]-phenyl}-carbamic acid tert-butyl ester. *Proceedings of the National*

Academy of Sciences, India Section A: Physical Sciences, **83(3)**, 2013, 207-212, ISSN 0369-8203 **(262)**

793. Prasad YR, Kumar GVS, Chandrashekar SM. Synthesis and biological evaluation of novel 4,5-dihydropyrazole derivatives as potent anticancer and antimicrobial agents. *Medicinal Chemistry Research*, **22(5)**, 2013, 2061-2078, ISSN 1054-2523 **(262)**

794. Raghav N, Garg S. Synthesis of novel chalcones of schiff's bases and to study their effect on bovine serum albumin. *Asian Journal of Pharmaceutical and Clinical Research*, **6 (4)**, 2013, 181-184, ISSN- 0974-2441 **(262)**

795. Rane RA, Sahu NU, Gutte SD, Mahajan AA, Shah CP, Bangalore P. Synthesis and evaluation of novel marine bromopyrrole alkaloid-based hybrids as anticancer agents. *European Journal of Medicinal Chemistry*, **63**, 2013, 793-799, ISSN 0223-5234 **(262)**

796. Ranjit PM, Rahaman SA, Kumar KP, Rajendra Prasad Y, Santhipriya T, Manikanta GCVS, Sudeepthi NRL. Synthesis, screening and in vitro anticancer activity of piperazine nucleus containing novel chalcones on different cell lines. *International Journal of PharmTech Research*, **5(1)**, 2013, 284-293, ISSN 0974-4304 **(262)**

797. Rao NSL, Rao MVB. Synthesis of Chalcone Derivatives of Furo [3, 2-*c*] Pyridine as Potential Antibacterial Agents. *Chemistry Journal*, **3(1)**, 2013, 23-29, ISSN 2049 954X **(262)**

798. Refat HM, Fadda AA. Synthesis and antimicrobial activity of some novel hydrazide, benzochromenone, dihydropyridine, pyrrole, thiazole and thiophene derivatives. *European Journal of Medicinal Chemistry*, **70**, 2013, 419-426, ISSN 0223-5234 **(262)**

799. Sathiyamoorthia K, Malaa V, Sakthinathana SP, Kamalakkannana D, Suresha R, Vanangamudia G, Thirunarayananb G. Solvent-free synthesis, spectral correlations and antimicrobial activities of some aryl E 2-propen-1-ones. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **112**, 2013, 245–256, ISSN 1386-1425 **(262)**

800. Sathiyamoorthi K, Mala V, Suresh R, Sakthinathan SP, Kamalakkannan D, Ranganathan K, Arulkumaran R, Sundararajan R, Vijayakumar S, Vanangamudi G, Thirunarayanan G. Synthesis, spectral correlations and antimicrobial activities of some 2-hydroxyphenyl-styrylketone. *International Letters of Chemistry, Physics and Astronomy*, **7(2)**, 2013, 102-119, ISSN 2299 3843 **(262)**

801. Souza LF, Preparação e bio-hidrogenação de chalconas derivadas do piperonal utilizando Saccharomyces cerevisiae. *PhD*, 2013, http://repositorio. ufsc.br/xmlui/handle/123456789/99916, 2013-05-10 **(262)**

802. Sirisha N, Raghunathan R. An efficient one-pot synthesis of C2-symmetric pyrrolidines and dispiropyrrolidines/pyrrolizidines through 1,3-dipolar cycloaddition reaction. *Journal of Chemical and Pharmaceutical Research*, 5(5), 2013, 382-389 ISSN 0975-7384 **(262)**

803. Sundararajan R, Arulkumaran R, Vijayakumar S, Kamalakkannan D, Suresh R, Ranganathan K, Sakthinathan SP, Vanangamudi G, Thirumurthy K, Mayavel P, Thirunarayanan G. Solid fly-ash:PTS catalyzed green aldol condensation: Synthesis, spectral correlation, antimicrobial and insect antifeedant potent of some aryl

chalcones. *International Journal of Pharmaceutical and Chemical Sciences*, **1(4)**, 2013, 1657-1677, ISSN 2277 5005 **(262)**

804. Vanangamudia G, Subramaniana M, Thirunarayanan G. Synthesis, spectral linearity, antimicrobial, antioxidant and insect antifeedant activities of some 2,5-dimethyl-3-thienyl chalcones. *Arabian Journal of Chemistry*, online 23 March 2013 ISSN 1878-5352 **(262)**

805. Vazquez-Rodriguez S, Figueroa-Guíñez R, Matos MJ, Santana L, Uriarte E, Lapier M, Maya JD, Olea-Azar C. Synthesis of coumarin-chalcone hybrids and evaluation of their antioxidant and trypanocidal properties. *MedChemComm*, **4(6)**, 2013, 993-1000, ISSN 2040-2503 **(262)**

806. Wang G, Peng F, Cao D, Yang Z, Han X, Liu J, Wu W, He L, Ma L, Chen J, Sang Y, Xiang M, Peng A, Wei Y, Chen L. Design, synthesis and biological evaluation of millepachine derivatives as a new class of tubulin polymerization inhibitors. *Bioorganic and Medicinal Chemistry*, **21(21)**, 2013, 6844-6854, ISSN 0968-0896 **(262)**

807. Babu SS, Mohandass C, Raj ASV, Rajasabapathy R, Dhale MA. Multiple approaches towards decolorization and reuse of a textile dye (VB-B) by a marine bacterium *Shewanella decolorationis*. *Water Air Soil Poll,* **224**, 2013, ISSN 0049-6979 **(263)**

808. Forss J, Pinhassi J, Lindh M, Welander U, Microbial diversity in a continuous system based on rice husks for biodegradation of the azo dyes Reactive Red 2 and Reactive Black 5 *Bioresource Technology,* **130**, 2013, 681-688, ISSN 0960-8524 **(263)**

809. Khan R, Bhawana P, Fulekar MN, Microbial decolorization and degradation of synthetic dyes: A review. *Reviews in Environmental Science and Biotechnology,* **12**, 2013, 75-97, ISSN 1569-1705 **(263)**

810. Zahmati S, Bahador N, Baserisalehi M, Study on biological decolorization of textile sewage in Kermanshah by microbial isolates from environmental samples. *Nature Environment Pollution Technology,* **12**, 2013, 337-340, ISSN 0972-6268 (263)

811. Kauser J, Shamia H, Tariq A. Activated Sludge and Other Aerobic Suspended Culture Processes. *Water Environment Research,* **85(68),** 2013, 992-1059, ISSN 1061-4303 **(264)**

812. Masakorala K, Yao J, Cai M, Chandankere R, Yuan H, Che, H. Isolation and characterization of a novel phenanthrene (PHE) degrading strain *Pseudomonas sp*. USTB-RU from petroleum contaminated soil. *Journal of Hazardous Materials.*, doi:http://dx.doi.org/doi:10.1016/j.jhazmat.2013.10.007, ISSN 03043894 **(264)**

813. Ning H, Chunyan L, Xiaosong C, Dapeng L, Yan Sh, Isolation, identification and degradation conditions of phenanthrene- degrading bacterium. *Journal of Northeast Agricultural University*, 2013, http://cnki.net/kcms/detail/23.1391.S.20130819.1714.029.html **(264)**

814. Partovinia A, Naeimpoor F. Phenanthrene biodegradation by immobilized microbial consortium in polyvinyl alcohol cryogel beads. *International Biodeterioration and Biodegradation,* **85**, 2013, 337-344, ISSN 0964-8305 **(264)**

815. Zhang D, Zhu L, Li F. Influences and mechanisms of surfactants on pyrene biodegradation based on interactions of surfactant with *Klebsiella oxytoca* strain. *Bioresource Technology,* **142**, 2013, 454-461, ISSN 0960-8524 **(264)**

816. Bharali P, Saikia JP, Ray A, Konwar BK Rhamnolipid (RL) from *Pseudomonas aeruginosa* OBP1: A novel chemotaxis and antibacterial agent. *Colloid Surfaces B,* **103**, 2013, 502-509, ISSN 0927-7765 **(265)**

817. Campos JM, Montenegro Stamford TL, Sarubbo LA, Moura de Luna J, Rufino RD, Banat IM. Microbial biosurfactants as additives for food industries. *Biotechnology Progress*, **29**, 2013, 1097-1108, ISSN 8756-7938 **(265)**

818. De Araujo LV, Freire, DMG, Nitschke, M. Biosurfactants: anticorrosive, antibiofilm and antimicrobial properties. *Química Nova,* **36**, 2013, 848-858, ISSN 0100-4042 **(265)**

819. Giagkas DC, Choli-PapadopoulouT, Pantazaki AA. Development of an Antibody for Detection of Rhamnolipids Characterized as a Major Bacterial Virulence Factor. *Antibodies,* **2***,* 2013, 501-516, ISSN 2073-4468 **(265)**

820. Kaczorek E, Sałek K, Guzik U, Dudzińska-Bajorek B. Cell surface properties and fatty acids composition of *Stenotrophomonas maltophilia* under the influence of hydrophobic compounds and surfactants. *New Biotechnology,* 30, 2013, 173-183, ISSN 1871-6784 **(265)**

821. Magalhães L, Nitschke M. Antimicrobial activity of rhamnolipids against Listeria monocytogenes and their synergistic interaction with nisin. *Food Control*, **29**, 2013, 138–142, ISSN 0956-7135 **(265)**

822. Martinez CA, Rupashinghe SG. Cytochrome P450 Bioreactors in the Pharmaceutical Industry: Challenges and Opportunities. *Current Topics in Medicinal Chemistry*, **13(21)**, 2013, 1470-1490, ISSN 1568-0266 **(265)**

823. Means and methods for rhamnolipid production, Europian Patent Application Bulletin 2013/13, EP 2 573 172 A1 **(265)**

824. Röttig A, Steinbüchel A. Acyltransferases in Bacteria. *Microbiology and Molecular Biology Reviews.,* **77**, 2013, 277-321, ISSN 1092-2172 **(265)**

825. Singh N, Pemmaraju SC, Pruthi PA, Cameotra SS, Pruthi V. *Candida* Biofilm Disrupting Ability of Di-rhamnolipid (RL-2) Produced from *Pseudomonas aeruginosa* DSVP20. *Applyed Biochemistry and Biotechnology,* **169**, 2013, 2374-2391, ISSN 0273-2289 **(265)**

826. Tashiro Y, Yawata Y, Toyofuku M, Uchiyama H, Nomura N. Interspecies interaction between *Pseudomonas aeruginosa* and other microorganisms (Review). *Microbes and Environments,* **28**, 2013, 13-24, ISSN 1342-6311 **(265)**

827. Campos JM, Montenegro Stamford TL, Sarubbo LA, de Luna JM, Rufino RD, Banat IM. Microbial biosurfactants as additives for food industries**.** *Biotechnology Progress*, **29**, 2013, 1097-1108, ISSN 8756-7938 **(266)**

828. Donio MBS, Ronica SFA, Viji VT, Velmurugan S, Jenifer JA, Michaelbabu M, Citarasu T. Isolation and characterization of halophilic *Bacillus sp*. BS3 able to produce pharmacologically important biosurfactants. *Asian Pacific Journal of Tropical Medicine*, **6**, 2013, 876-883, ISSN 1995-7645 **(266)**

829. Moussal LA, Abdel AZ. Identification and characterization of biosurfactants produced by *Rhodococcus equi* and *Bacillus methylyothrophicus. Journal Biological Chemistry and Environmental Sciences,* **8**, 2013, 341-358, ISSN 1687-5478 **(267)**

830. Kundu D, Hazra C, Dandi N, Chaudhari A. Biodegradation of 4-nitrotoluene with biosurfactant production by *Rhodococcus pyridinivorans* NT2: metabolic pathway, cell surface properties and toxicological characterization. *Biodegradation,* **24**, 2013, 775-793, ISSN 0923-9820 **(267)**

831. Petrikov K, Delegan Y, Surin A, Ponamoreva O, Puntus I, Filonov A., Boronin A. Glycolipids of *Pseudomonas* and *Rhodococcus* oil-degrading bacteria used in bioremediation preparations: Formation and structure. *Process Biochemistry,* **48**, 2013, 931-935, ISSN 1359-5113 **(267).**

832. Sachdev DP, Cameotra SS. Biosurfactants in agriculture. *Applyed Microbiology and Biotechnology,* **97**, 2013, 1005-1016, ISSN 0175-7598 **(267)**

833. White DA, Hird LC, Ali ST. Production and characterization of a trehalolipid biosurfactant produced by the novel marine bacterium *Rhodococcus sp.*, strain PML026. *Journal of Applied Microbiology,* **115**, 2013, 744-755, ISSN 1365-2672 **(267)**

834. Guan J F, Wang J H, Liu X, Xin J, Zhang S S, Zhu D. Biodegradation of 2,2',4,4'-Tetrabromodiphenyl Ether in an Aerobic Environment by a Novel Strain of *Bacillius sp*. *Advanced Materials Research*, **771**, 2013, 45-49, ISSN 1022-6680 **(268)**

835. Li X, Zhu N, Wang Y, Li P, Wu P, Wu J. Animal carcass wastewater treatment and bioelectricity generation in up-flow tubular microbial fuel cells: Effects of HRT and non-precious metallic catalyst. *Bioresorce Technology*, **128**, 2013, 454-460, ISSN 0960-8524 **(269)**

836. You Y, Zeng Y., Liu Y, ShiB, Liao X. Utilization of tannery solid waste: Dry strength additive for papermaking. *Journal- American Leather Chemists Association*, **108**, 2013, 250-256, ISSN 0002-9726 **(269)**

837. Rizzo C, Michaud L, Hörmann B, Gerçe B, Syldatk C, Hausmann R, De Domenico E, Giudice AL. Bacteria associated with sabellids (Polychaeta: Annelida) as a novel source of surface active compounds. *Marine Pollution Bulletine*, **70**, 2013, 125-133, ISSN 0025-326X **(270)**

838. Cheng Y, Ou L, Huang T, Chen K, Chang Y, Yang H. Gadolinium-based CuInS2/ZnS nanoprobe for dual-modality magnetic resonance/optical imaging. *ACS Appl Mater Interfaces,* 5, 2013, 4389-400. doi: 10.1021/am401428n. print ISSN 1944-8244; web ISSN 1944-8252 **(271)**

839. Sapsford E, Algar R, Berti L, Gemmill B, Casey J, Oh E, Stewart H, Medintz L. Functionalizing nanoparticles with biological molecules: developing chemistries that facilitate nanotechnology. *Chem Rev,* 113, 2013, 1904-2074. doi: 10.1021/ cr300143v. print ISSN 0009-2665; web ISSN 1520-6890 **(271)**

840. Elsedawy NB, Russell SJ. Oncolytic vaccines. *Expert Review of Vaccines*, **12 (10)**, 2013, 1155-1172, DOI: 10.1586/14760584.2013.836912, ISSN 1476-0584 **(272)**

841. Bartlett DL, Liu Z, Sathaiah M. Oncolytic viruses as therapeutic cancer vaccines. *Molecular Cancer,* 12, 2013, DOI: 10.1186/1476-4598-12-103, ISSN 1476-4598 **(272)**

842. Hadjiahoondi F, Ostad SN, Khanav, M, Hadjiakhoondi A, Farahanikia B, Salarytabar A. Cytotoxicity of two species of Glaucium from Iran. *Journal of Medicinal Plants*, **12**, 2013, 85-92, ISSN 1684-0240 **(273)**

843. Ji QG, Yang D, Deng Q, Ge ZQ, Yuan LJ. Design, synthesis, and evaluation of novel 1-methyl-3-substituted quinazoline-2, 4-dione derivatives as antimicrobial agents. *Medicinal Chemistry Research*, 2013, DOI 10.1007/s00044-013-0813-z (article not assigned to an issue yet). ISSN 1054-2523 (Print); 1554-8120 (Online) **(273)**

844. Jitareanu A, Tataringa G, Zbancioc A-M, Tuchilus C, Balan M, Stanescu U. Cinnamic acid derivatives and 4-aminoantipyrine amides – synthesis and evaluation of biological properties. *Research Journal of Chemical Sciences*, **3**, 2013, 9-13, ISSN 2231-606X Online Version; 2250-9261 Print Version **(273)**

845. Kwak SY, Yang JK, Choi HR, Park KC, Kim YB, Lee YS. Synthesis and dual biological effects of hydrocinnamoyl phenylalanyl/propyl hydroxamic acid derivatives as tyrosinase inhibitor and antioxidant. *Biorganic and Medicinal Chemistry Letters*, **23,** 2013, 1136-1142. ISSN 0960-894X **(273)**

846. Lin A, Tu B, Ca, Zh, Pan Y. Synthesis and structure analysis of 4-benzyl-1-[(2E)-3-(3-bromo-4-hydroxy-5-methoxyphenyl)prop-2-enoyl]piperazine hydrochloride. *Journal of Chemical Reserach*, **37**, 2013, 391-393, ISSN 1747-5198 **(273)**

847. Pellon RF, Docampo ML. Synthesis of novel cinnamoyl amides using a solvent-free microwave-assisted method. *Synthetic Communications*®, **43**, 2013,537-552, ISSN 0039-7911; e-ISSN 1532-2432 **(273)**

848. Krastanov A., Alexieva Z., Yemendzhiev H. Microbial degradation of phenol and phenolic derivatives (Review). *Eng Life Sci.* 13(1), 2013, 76-87, ISSN 1618-2863 **(274)**

849. Liang W.-D., Bi Y.-T., Wang H.-Y., Dong S., Li K.-S., Li J.-S. Gene expression profiling of clostridium botulinum under heat shock stress (Review). *BioMed Research Internationa*l, 2013, Article number 760904, http://dx.doi.org/ 10.1155/2013/760904 **(274)**

850. Liu J., Copland D.A., Horie S., Wu W.-K., Chen M., Xu Y., Morgan P., B., Mack M., Xu H., Nicholson L.B., Dick A.D. Myeloid Cells Expressing VEGF and Arginase-1 Following Uptake of Damaged Retinal Pigment Epithelium Suggests Potential Mechanism That Drives the Onset of Choroidal Angiogenesis in Mice. *PLoS ONE* 8(8), 2013, Article number e72935, ISSN 1932-6203 **(274)**

851. Liu L., Long L.-K., An Y., Yang J., Xu X., Hu C.-H., Liu G. The thioredoxin reductase-encoding gene ActrxR1 is involved in the cephalosporin C production of Acremonium chrysogenum in methionine-supplemented medium. *Appl Microbiol Biotechnol*, 97(6), 2013, 2551-2562, ISSN 0175-7598 **(274)**

852. Shin K.-S., Park H.-S., Kim Y.-H., Yu J.-H. Comparative proteomic analyses reveal that FlbA down-regulates gliT expression and SOD activity in *Aspergillus fumigatus*. *J Proteomics*, **87**, 2013, 40-52, ISSN 1874-3919 **(274)**

853. Shirazi F., Pontikos M.A., Walsh T.J., Albert N., Lewis R.E., Kontoyiannis D.P. Hyperthermia sensitizes rhizopus oryzae to posaconazole and itraconazole action through apoptosis. *Antimicrob Agents Chemother*, 57(9), 2013, 4360-4368, ISSN 0066-4804 **(274)**

854. Zhao W., Wisniewski M., Wang W., Liu J., Liu Y. Heat-induced oxidative injury contributes to inhibition of *Botrytis cinerea* spore germination and growth. *World J Microbiol Biotechnol*, 2013, DOI 10.1007/s11274-013-1513-z, ISSN 0959-3993 **(274)**

855. Kant S., Vohra A., Gupta R. Purification and physicochemical properties of polygalacturonase from *Aspergillus niger* MTCC 3323. *Prot Expr Purif,* **87(1),** 2013, 11-16, ISSN 1046-5928 **(275)**

856. Montibus M., Pinson-Gadais L., Richard-Forget F., Barreau C., Ponts N. Coupling of transcriptional response to oxidative stress and secondary metabolism regulation in filamentous fungi. *Crit Rev Microbiol*, 2013. ISSN 1040-841X (Print) **(276)**

857. Choudhury S.R., Mandal A., Ghosh M., Basu S., Chakravorty D.b, Goswami A. Investigation of antimicrobial physiology of orthorhombic and monoclinic nanoallotropes of sulfur at the interface of transcriptome and metabolome. *Appl Microbiol Biotechnol*, **97(13)**, 2013, 5965-5978, ISSN 0175-7598 **(277)**

858. de Arruda Grossklaus, D., Bailão A.M., Vieira Rezende T.C., Borges C.L., de Oliveira M.A.P., Parente, J.A., De Almeida Soares C.M. Response to oxidative stress in *Paracoccidioides* yeast cells as determined by proteomic analysis. *Microbes Infect,* **15(5),** 2013, 347-364, ISSN 1286-4579 **(277)**

859. Parente A.F.A., de Rezende T.C.V., de Castro K.P., Bailão A.M., Parente J.A., Borges C.L., Silva L.P., Soares C.M.D.A. A proteomic view of the response of Paracoccidioides yeast cells to zinc deprivation. *Fungal Biol,* **117(6),** 2013, 399-410, ISSN 1878-6146 **(277)**

860. Bianucci E., Fullana C., Furlan A., Castro S. Antioxidant defense system responses and role of nitrate reductase in the redox balance maintenance in *Bradyrhizobium japonicum* strains exposed to cadmium. *Enzyme Microb Tech,* **53(5),** 2013, 345-350, ISSN 0141-0229 **(278)**

861. de Lima M.A.B., Franco L.O., de Souza P.M., do Nascimento A.E., da Silva, C.A.A., Maia R.C.C., Rolim H.M.L., Takaki G.M.C. Cadmium tolerance and removal from *Cunninghamella elegans* related to the polyphosphate metabolism. *Int J Mol Sci,* **14 (4)**, 2013, 7180-7192, ISSN 1422-0067 **(278)**

862. Zhan Fang-dong, He Yong-mei, Zu Yan-qun, Li Tao, Zhao Zhi-wei. Cellular Mechanisms for Heavy Metals Tolerance of Filamentous Fungi: A Review. *J Yunnan Agricultural University,* **28(3)**, 2013, 424-432, ISSN 1004-390X **(278)**

863. Karniychuk, U.U. , Nauwynck, H.J. Pathogenesis and prevention of placental and transplacental porcine reproductive and respiratory syndrome virus infection (Review)**.** *Veterinary Research* **44(1)**, 2013, 95, ISSN 0928-4249 **(279)**

864. Karniychuk, U.U. , De Spiegelaere, W. Nauwynck, H.J. Porcine reproductive and respiratory syndrome virus infection is associated with an increased number of Sn-positive and CD8-positive cells in the maternal-fetal interface. *Virus Research* **176**, 2013, 285-291, ISSN 0168-1702 **(279)**

865. Stenqvist, A.-C., Nagaeva, O., Baranov, V., Mincheva-Nilsson, L. Exosomes secreted by human placenta carry functional Fas ligand and TRAIL molecules and convey apoptosis in activated immune cells, suggesting exosome-mediated immune

privilege of the fetus. *Journal of Immunology* **191(11),** 2013, 5515-5523, ISSN 0022-1767 **(280)**

866. Qiao, Y. , Fang, J.-G., Xiao, J., Liu, T., Liu, J., Zhang, Y.-L., Chen, S.-H. Effect of baicalein on the expression of VIP in extravillous cytotrophoblasts infected with humancytomegalovirus in vitro. *Journal of Huazhong University of Science and Technology - MedicalScience* **33(3)**, 2013, 406-411, ISSN 1672-0733 **(280)**

867. Tiruthani, K., Sarkar, P., Rao, B. Trophoblast differentiation of human embryonic stem cells. *Biotechnology Journal* **8(4),** 2013, 421-433, ISSN 1860-7314 **(280)**

868. Selim ME, Elshmry NG, Rashed E. The Role of Novel Biomarker in Early Prediction of Preeclampsia in Pregnant Rats. *Journal of Blood Disorders and Transfusion* **4**, 2013, 135*,* ISSN 2155-9864 **(280)**

869. Pellón, R.F., Docampo, M.L. Synthesis of novel cinnamoyl amides using a solvent-free microwave-assisted method. *Synthetic Communications*, **43(4),** 2013, 537-552, ISSN 0039-7911 **(281)**

870. Kwak, S.-Y., Yang, J.-K., Choi, H.-R., Park, K.-C., Kim, Y.-B., Lee, Y.-S. Synthesis and dual biological effects of hydroxycinnamoyl phenylalanyl/prolyl hydroxamic acid derivatives as tyrosinase inhibitor and antioxidant. *Bioorganic and Medicinal Chemistry Letters*, **23(4),** 2013, 1136-1142, ISSN 0960-894X **(281)**

871. Lin, A., Tu, B., C, Z., Pan, Y. Synthesis and structure analysis of 4-benzyl-1-[(2E)-3-(3-bromo-4-hydroxy-5-methoxyphenyl)prop-2-enoyl]piperazine hydrochloride. *Journal of Chemical Research*, **37(7),** 2013, 391-393, ISSN 1747-5198 **(281)**

872. Hadjiakhoondi, F., Ostad, S.N., Khanavi, M., Hadjiakhoondi, A., Farahanikia, B., Salarytabar, A. Cytotoxicity of two species of glaucium from Iran. *Journal of Medicinal Plants*, **12(45),** 2013, 85-92, ISSN 1684-0240 **(281)**

873. Chahal D.S., Sivamani R.K., Rivkah Isseroff R., Dasu M.R. Plant-based modulation of toll-like receptors: An emerging therapeutic model. *Phytotherapy Research*, **27**, 2013, 1423-1438, ISSN 0951-418X, **(282)**

874. Lei Y,, Tan J,, Wink M,, Ma Y,, Li N,, Su G. An isoquinoline alkaloid from the Chinese herbal plant Corydalis yanhusuo W.T. Wang inhibits P-glycoprotein and multidrug resistance-associate protein 1. *Food Chemistry*, **136**, 2013, 1117-1121, ISSN 0308-8146 **(282)**

875. Kaewnopparat S., Dangmanee N., Kaewnopparat N. et al. In vitro probiotic properties of Lactobacillus fermentum SK5 isolated from vagina of a healthy woman. *Anaerobe,* **22**, 2013, 6-13, ISSN 1075-9964 **(283)**

876. Lamari F., Sadok K., Bakhrouf A., Gatesoupe F.J. Selection of lactic acid bacteria as candidate probiotics and in vivo test on Artemia nauplii. *Aquacult. Int*., 2013, 1-11, ISSN 0967-6120 **(283)**

877. Широкова Л., Мокроусова М., Симионова С., Широкова К., Буланов Р., Андрейченко Е. Остеоартроз: современные концепции и роль метаболических нарушений в повреждении суставных компонентов. *Vrach* 2013, 8-10, ISSN 0236-3054 **(284)**

878. Dhingra P., Singh Y. Electrochemical studies on complexes of copper (II) with anticoagulant warfarin sodium. *Res. J. Pharm. Biol. Chem. Sci*, **4,** 2013, 416-427, ISSN 0975-8585 **(285)**

879. Schwab I., Nimmerjahn F. Intravenous immunoglobulin therapy: how does IgG modulate the immune system? *Nat Rev Immunol*, **13,** 2013, 176-189, ISSN 1474-1733 **(286)**

880. Quintero O.L., Rojas-Villarraga A., Mantilla R.D., Anaya J.-M. Autoimmune diseases in the intensive care unit. An update. *Autoimmun Rev*, **12,** 2013, 380-395. ISSN 1568-9972 **(286)**

881. Eddarir S., Kajjout M., Rolando C. An efficient synthesis of (Z)-α-fluorochalcones via the palladium-catalyzed cross-coupling reaction of (Z)-α-fluorocinnamoyl chloride with boronic acids. *Tetrahedron*, **6, 69**, 2013, 1735-1738, ISSN 0040-4020 **(297)**

882. Salum B., Altei WF., Chiaradia LD., Cordeiro MNS., Canevarolo RR., Melo CPS., Winter E., (...), Vogt A. Cytotoxic 3,4,5-trimethoxychalcones as mitotic arresters and cell migration inhibitors. *European Journal of Medicinal Chemistry*, **63**, 2013, 501-510, ISSN 0223-5234 **(287)**

883. Vazquez-Rodriguez S., Figueroa-Guíñez R., Matos MJ., Santana L., Uriarte E., Lapier M., Maya JD., Olea-Azar C. Synthesis of coumarin-chalcone hybrids and evaluation of their antioxidant and trypanocidal properties. *MedChemComm*, **6, 4,** 2013, 993-1000, ISSN 2040-2503 **(287)**

884. Nixha AR., Arslan M., Atalay Y., Gençer N., Ergün A., Arslan O.Synthesis and theoretical calculations of carbazole substituted chalcone urea derivatives and studies their polyphenol oxidase enzyme activity. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **4, 28**, 2013, 808-815, ISSN 1475-6366 **(287)**

885. Stompor M., Potaniec B., Szumny A., Zielinski P., Zonierczyk AK., Anioł M. Microbial synthesis of dihydrochalcones using *Rhodococcus* and *Gordonia species*. *Journal of Molecular Catalysis B: Enzymatic*, **97**, 2013, 283-288, ISSN 1381-1177 **(287)**

886. Fife B. Health properties of coconut oil. *Agro Food Industry Hi-Tech*, **3, 24**, 2013, 7-10, ISSN 1722-6996 **(288)**

887. Chaouat C., Balor S., Roques C., Franceschi-Messant S., Perez E., Rico-Lattes I. Antimicrobial catanionic vesicular self-assembly with improved spectrum of action. *Journal of urfactants and Detergents*, **5, 16**, 2013, 717-722, ISSN 1097-3958 **(288)**

888. Musa AA., Oyewale AO., Ndukwe IG., Yakubu SE., Abdullahi MS. Phytochemical screening and antimicrobial activity of solvent fractions of *Securidaca longepedunculata* (Fresen) root bark methanol extract. *Journal of Chemical and Pharmaceutical Research*, **10, 5,** 2013, 28-33, ISSN 0975-7384 **(288)**

889. Jayarama Reddy Venugopal *et al*. Nanofibrous structured biomimetic strategies for skin tissue regeneration. *Wound Repair and Regeneration.* **21.1**, 2013, 1-16, ISSN 1524-475X **(289)**

890. Rieger Katrina A.; Nathan P. Birch; Jessica D. Schiffman. Designing electrospun nanofiber mats to promote wound healing–a review. *Journal of Materials Chemistry B*. **1,36,** 2013, 4531-4541, ISSN 2050-750X **(289)**

891. Versace Davy-Louis *et al*. Photoinduced modification of the natural biopolymer poly (3-hydroxybutyrate-co-3-hydroxyvalerate) microfibrous surface with anthraquinone-derived dextran for biological applications. *J. Mater. Chem. B* 1.37, 2013, 4834-4844, ISSN 0959-9428 **(289)**

892. Mohammadian M., Haghi A. K. Some aspects of multilayer chitosan electrospun nanofibers. *Bulgarian Chemical Communications*. 45.3, 2013, 336-346. ISSN 0861-9808 **(289)**

893. Peciulyte Laura *et al*. Thermal imidization peculiarities of electrospun BPDA-PDA/ODA copolyamic acid nanofibers. *Macromolecular Research*, **1-8,** 2013, ISSN 0032-3861 **(289)**

894. Li Bin *et al*. Synthesis, Characterization, and Antibacterial Activity of Cross-Linked Chitosan-Glutaraldehyde. *Marine Drugs* **11,5,** 2013, 1534-1552, ISSN 1660-3397 **(289)**

895. Garcin P, Cohen S, Terpstra S, Kelly I, Foster LJ, Pante N. Proteomic analysis identifies a novel function for galectin-3 in the cell entry of parvovirus. *Journal of Proteomics*, **79**, 2013, 123-132, ISSN 1874-3919 **(290)**

896. Halder S, Nam H.-J, Govindasamy L, Vogel M, Dinsart C, Salome N, McKenna R, Agbandje-McKenna M. Structural characterization of H-1 parvovirus: Comparison of infectious virions to empty capsids. *Journal of Virology*, **87 (9)**, 2013, 5128-5140, ISSN 0022-538X **(290)**

897. Sieben M, Schaefer P, Dinsar, C, Galle PR, Moehler M. Activation of the human immune system via toll-like receptors by the oncolytic parvovirus H-1. *International Journal of Cancer*, **132 (11)**, 2013, 2548-2556, ISSN 0020-7136 **(290)**

898. Lavie, M., Struyf, S., Stroh-Dege, A., Rommelaere, J., Van Damme, J., Dinsart, C. Capacity of wild-type and chemokine-armed parvovirus H-1PV for inhibiting neo-angiogenesis. *Virology*, **447(1-2),** 2013, 221-232, ISSN 0042-6822, **(290)**

899. Halder S, Nam H.-J, Govindasamy L, Vogel M, Dinsart C, Salome N, McKenna R, Agbandje-McKenna M. Structural characterization of H-1 parvovirus: Comparison of infectious virions to empty capsids. *Journal of Virology*, **87 (9)**, 2013, 5128-5140, DOI: 10.1128/JVI.03416-12, ISSN 0022-538X **(291)**

900. Xu C, Li H, Su C, Li Z. Viral therapy for pancreatic cancer: Tackle the bad guys with poison. *Cancer Letters*, 333 (1), 2013, 1-8, DOI: 10.1016/j.canlet.2013.01.035, ISSN 0304-3835 **(291)**

901. Naresh KN, Krupanidhi S, Rajan SS. Purification, spectroscopic characterization and o-diphenoloxidase activity of hemocyanin from a freshwater gastropod: *Pila globosa*. *Protein J.,* **32**, 2013, 327-336. ISSN 1572-3887 **(292)**

902. Petrović V.D., Golubović Dj.Z., Dajić Z.,Tomantschger W.K., Radojević L.R. Mathematical modeling the surface roughness distribution of artificial cell wall material. Editors Petrovic D., Radojevic R., Dimitrijevic A., The First International Symposium on Agricultural Engineering, 2013, Belgrade–Zemun, Serbia. **ISBN** 978-86-7834-179-3 **(293)**

903. Hayashi H., Kanai N., Kawamura N., Matsuda Y.H., Kuga K., Nakatsuji S., Yamashita T., Ohara S. Chemical effects of high-resolution yblγ4 emission spectra:

A possible probe for chemical analysis. *X-Ray Spectrometry* **42(6),** 2013, 450-455, ISSN 1097-4539 **(294)**

904. Malherbe J., Claverie F. Toward chromium speciation in solids using wavelength dispersive X-ray fluorescence spectrometry Cr Kβ lines. *Analyt. Chim. Acta* **773**, 2013, 37-44, ISSN 0003-2670 **(294)**
905. Augustynowicz J., Kyzioł-Komosińska J., Smoleń S., Waloszek A. Study on chromium-binding capacity of callitriche cophocarpa in an aquatic environment. *Archiv. Environ. Contaminat. Toxicol.* **64(3),** 2013, 410-418, ISSN 1432-0703 **(294)**
906. Scaglia B., Tambone F., Adani F. Cr(VI) reduction capability of humic acid extracted from the organic component of municipal solid waste. *J. Environ. Sci. (China)* **25(3)**, 2013, 487-494, ISSN 1001-0742 **(294)**
907. Augustynowicz J., Kołton A.M., Baran A.M., Kostecka-Gugała A.M., Lasek W.W. Strategy of Cr detoxification by *Callitriche cophocarpa*. *Centr. Europ. J. Chem.* **11(2),** 2013, 295-303, ISSN 1644-3624 **(294)**
908. Čadková Z., Száková J., Miholová D., Válek P., Pacáková Z., Vadlejch J., Langrová I., Jankovská I. Faecal excretion dynamic during subacute oral exposure to different Pb species in *Rattus norvegicus*. *Biol. Trace Element Res.* **152(2),** 2013, 225-232, ISSN 1559-0720 **(294)**
909. Khandegar V., Saroha A.K. Electrocoagulation for the treatment of textile industry effluent - A review. *J. Environ. Managem.* **128,** 2013, 949-963, ISSN 0301-4797 **(295)**
910. Lofrano G., Meriç S., Zengin G.E., Orhon D. Chemical and biological treatment technologies for leather tannery chemicals and wastewaters: A review. *Sci. Total Environ.* 461-462, 2013, 265-281, ISSN 0048-9697 **(295)**
911. Secula M.S., Cretescu I., Cagnon B., Manea L.R., Stan C.S., Breaban I.G. Fractional factorial design study on the performance of GAC-enhanced electrocoagulation process involved in color removal from dye solutions. *Materials* 6(7), 2013, 2723-2746, ISSN 1996-1944 **(295)**
912. Maha Lakshmi P., Sivashanmugam P. Treatment of oil tanning effluent by electrocoagulation: Influence of ultrasound and hybrid electrode on COD removal. *Separat. Purificat. Technol.* **116**, 2013, 378-384, ISSN 1383-5866 **(295)**
913. Natarajan T.S., Natarajan K., Bajaj H.C., Tayade R.J. Study on identification of leather industry wastewater constituents and its photocatalytic treatment. *Int. J. Environ. Sci. Technol.* **10(4)**, 2013, 855-864, ISSN 1735-2630 **(295)**
914. Kliaugaite D., Yasadi K., Euverink G.-J., Bijmans M.F.M., Racys V. Electrochemical removal and recovery of humic-like substances from wastewater. *Separat. Purificat. Technol.* **108**, 2013, 37-44, ISSN 1383-5866 **(296)**
915. Sangal V.K., Mishra I.M., Kushwaha J.P. Electrocoagulation of soluble oil wastewater: Parametric and kinetic study. *Separat. Sci. Technol. (Philadelphia)* **48(7)**, 2013, 1062-1072, ISSN 1520-5754 **(296)**
916. Bose A., Pathan S., Pathak K., Keharia H. Keratinolytic protease production by *Bacillus amyloliquefaciens* 6B using feather meal as substrate and application of

feather hydrolysate as organic nitrogen input for agricultural soil. *Waste Biomass Valor.* 2013, 1-11, DOI 10.1007/s12649-013-9272-5, ISSN 1877-2641 **(297)**

917. Jin X., Lu L., Wu H., Ke Q., Wang H. Duck feather/nonwoven composite fabrics for removing metals present in textile dyeing effluents. *J. Eng. Fibers Fabrics* **8**, 2013, 89-96, ISSN 1558-9250 **(297)**

918. Cheng C., Zhang J., Zhang C., Liu H., Liu W. Preparation and characterization of charcoal from feathers and its application in trimethoprim adsorption. *Desal. Water Treatm.* 2013, 1-12, DOI 10.1080/19443994.2013.807477, ISSN 1944-3994 **(297).**

919. Gupta R., Tiwary E., Sharma R., Rajput R., Nair N. Microbial Keratinases: Diversity and applications. In: T. Satyanarayana et al. (eds.), Thermophilic microbes in environmental and industrial biotechnology: Biotechnology of thermophiles, Chapter 33, Springer, Netherlands, 2013, 881-904, **ISBN** 978-94-007-5899-5 **(297)**

920. Daroit D.J., Brandelli A. A current assessment on the production of bacterial keratinases. *Crit. Rev. Biotechnol.* 2013, 1-13, DOI 10.3109/07388551.2013.794768, ISSN 0738-8551 **(297)**

921. Chaudhari T.D., Fulekar M.H. Strain improvement of *Pseudomonas pseudoalcaligenes* MHF ENV for biodegradation of dibutyl phosphate: Strategies and methods. *Int. J. Adv. Res. Technol.* **2,** 2013, 380-399, ISSN 2278-7763 **(297)**

922. Staroń P., Banach M., Kowalski Z. Assessment of an application of ashes produced by incineration of poultry industry waste as a rich phosphorus source. *Przem. Chem.* **92**, 2013, 1142-1144, ISSN 0033-2496 **(297)**

923. Sala E.L. Purificacao de queratinase por sistema aquoso bifasico integrado a ultrafiltracao. MS Thesis, Universidade Federal do Rio Grande, Rio Grande, 2013 **(297)**

924. Ringel A. Screening-Strategien für mikrobielle Hochleistungsstämme am Beispiel der 1,3-Propandiol-Produktion aus Rohglycerin" PhD Thesis, 2013, Hamburg, Germany, **(298)**

925. Marimuthu K. Isolation and characterization of *Staphylococcus hominis* JX961712 from oil contaminated soil. *J. Pharm. Res*., **7(3),** 2013, 252-256, ISSN 2250-1029 **(299)**

926. Zamora MEM. Inmovilización de tirosinasa sobre ésteres cinámicos de carbohidratos fotoentrecruzados: caracterización, optimización y aplicación a la obtención de o-difenoles. Doctoral Thersis, 2013, Universidad de Murcia, Departamento de Química Orgánica **(299)**

927. Spanò A, Gugliandolo C, Lentini V, Maugeri TL, Anzelmo G, Poli A, Nicolaus B. A novel EPS-producing strain of *Bacillus licheniformis* isolated from a shallow vent Off Panarea Island (Italy). *Curr. Microbiol.,* **67(1),** 2013, 21-29, ISSN 0343-8651 **(300)**

928. Jain RM, Mody K, Joshi N, Mishra A, Jha B. Production and structural characterization of biosurfactant produced by an alkaliphilic bacterium, *Klebsiella* sp.: Evaluation of different carbon sources. *Colloids Surfaces B,* **108**, 2013, 199-204, ISSN 0927-7765 **(300)**

929. Vlaev S, Rusinova-Videva S, Pavlova K, Kuncheva M, Panchev I, Dobreva S. Submerged culture process for biomass and exopolysaccharide production by Antarctic yeast: Some engineering considerations. *Appl. Microbiol. Biotechnol.,* **97(12),** 2013, 5303-5313, ISSN 0175-7598 **(300)**

930. Dahech I, Fakhfakh J, Damak M, Belghith H, Mejdoub H, Belghith KS. Structural determination and NMR characterization of a bacterial exopolysaccharide. *Int. J. Biol. Macromol.,* **59**, 2013, 417-422, ISSN 0141-8130 **(300)**

931. Jain RM, Mody K, Joshi N, Mishra A, Jha B. Effect of unconventional carbon sources on biosurfactant production and its application in bioremediation. *Int. J. Biol. Macromol.,* **62**, 2013, 52-58, ISSN 0141-8130 **(300)**

932. Shahrazi S, Saallah S, Mokhtar MN, Baharuddin AS, Yunos KFM. Dynamic mathematical modelling of reaction kinetics for cyclodextrins production from different starch sources using Bacillus macerans cyclodextrin glucanotransferase. *Am. J. Biochem. Biotechnol*., **9(2),** 2013, 195-205, ISSN 1553-3468 **(301)**

933. Ibrahim ASS, Al-Salamah AA, El-Toni AM, El-Tayeb MA, Elbadawi YB. Immobilization of cyclodextrin glucanotransferase on aminopropyl-functionalized silica-coated superparamagnetic nanoparticles. *Electron. J. Biotechnol.,* **16(6),** 2013, doi: 10.2225/vol16-issue6-fulltext-8, ISSN 0717-3458 **(301)**

934. Ibrahim ASS, Al-Sharawi SZR, El-Shatoury EH, Gebreel HM, Eldiwany A. A new low molecular mass alkaline cyclodextrin glucanotransferase from *Amphibacillus* sp. NRC-WN isolated from an Egyptian soda lake. *Electron. J. Biotechnol.,* **16(6),** 2013, doi: 10.2225/vol16-issue6-fulltext-18, ISSN 0717-3458 **(301)**

935. Zulkifli SNIB. Immobilization of *Escherichia coli* producing recombinant cyclodextrin glucanotransferase using hollow fiber membrane. A report submitted in partial fulfillment of the requirements for the award of degree of Bachelor of Engineering (Chemical - Bioprocess), 2013, Faculty of Chemical Engineering, Universiti Teknologi Malaysia **(301)**

936. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar, Pandey A. Studies on structural and physical characteristics of a novelexopolysaccharide from Pseudozyma sp. NII 08165 *International Journal of Biological Macromolecules* **59**, 2013, 84-89, ISSN 0141-8130 **(302)**

937. Chaikham P, Apichartsrangkoon A, Worametrachanon S, Supraditareporn W, Chokiatirote E, Wiele TV. Activities of free and encapsulated *Lactobacillus acidophilus* LA5 or *Lactobacillus casei* 01 in processed longan juices on the exposure to simulated gastrointestinal tract. *Journal of the Sciences of Food and Agriculture*, **93**, 2013, 2229-2238, ISSN 1097-0010 **(303)**

938. Ahmed Z., Wang Y., Ahmad A., Khan ST., Nisa M., Ahmad H., Afreen A. Kefir and Health: A Contemporary Perspective. *Critical Reviews in Food Science and Nutrition*, **53,** 2013, 422-434, ISSN 1040-8398 **(303)**

939. Senbagam D., Gurusamy R., Senthikumar B. Antagonistic effect of brevicin on Gram positive and Gram negative food borne bacteria and its biopreservative efficacy in milk. *African Journal of Biotechnology*, **12**, 2013, 175-185, ISSN 1684-5315 **(303)**

940. Miao JY., Guo HX., Fu CH., Zhao LC., Cao. Preservative effect of kefir fermented extracts on two kinds of food. *Modern Food Science and Technology* 29, 2013, 1509-1513 **(303)**

941. Senbagam D., Gurusamy R., Senthilkumar B. Physical chemical and biological characterization of a new bacteriocin produced by *Bacillus cereus* NSO2. *Asian Pacific Journal of Tropical Medicine* **6,** 2013, 934-941, ISSN 1995-7645 **(303)**

942. Kaur B., Gard N., Sachdev A., Kumar B. Effect of the oral intake of probiotic *Pediococcus acidilactici* BA28 on *Helicobacter pylori* causing peptic ulcer in C57BL/6 mice models. *Applied Biochemistry and Biotechnology* 2013, DOI: 10.1007/s1210-013-0585-4, ISSN 0273-2289 **(303)**

943. Brandao H., Brach E.N., Mendonca S., Brandao W., Coelho S.M., Christ M. Development of probiotic cultures in a symbiotic soy beverage using different types of carbohydrate. *African Journal of Microbiology Research* **7**, 2013, 2251-2258, ISSN 1996-2258 **(304)**

944. Ungeanu C., Marchal L., Chirvase A.A., Foucault A. Centrifugal partition extraction, a new method for direct metabolites recovery from culture broth: case study of torularhodin recovery from *Rhodotorula rubra. Bioresource Technology* **132**, 2013, 406-409, ISSN 0960-8524 **(305)**

945. Keceli TM., Erginkaya Z., Turkkan E., Kaya U. Antioxidant and antibacterial effects of carotenoids extracted from *Rhodotorula glutinis* strains. *Asian Journal of Chemistry* 25, 2013, 42-46, ISSN 0970-7077 **(305)**

946. Schneider T., Graeff-Honninger S., French W.T., Hernandez R., Merkt N., Claupein W., Hetrick M., Pham P. Lipid and carotenoid production by oleaginous red yeast *Rhododorula glutinis* cultivated on brewery elluents. *Energy* **61**, 2013, 34-43, ISSN 0360-5442 **(305)**

947. Petrik S., Marova I., Haronikova A., Kostovova I., Breierova E. Production of biomass, carotenoid and other lipid metabolites by several red yeast strains cultivated on waste glycerol from biofuel production – a comparative screening study. *Annals of Microbiology* 2013. DOI: 10.1007/s13213-013-0617-x ISSN 1590-4261 **(305)**

948. Tropea A., Gervasi T., Melito MR., Lo Curto A., Lo Curto R. Does the light influence astaxanthin production in *Xanthophyllomyces dendrorhous*? *Natural Product Research: Formerly Natural Product Letters*, **27, 7,** 2013, 647-653 ISSN 1478-6419 **(305)**

949. Cutzu R., Coi A., Rosso F., Bardi L., Ciani M., Budroni M., Zara G., Zara S., Mannazzu I. From crude glycerol to carotenoids by using a Rhodotorula glutinis mutant. *World Journal of Microbiology and Biotechnology,* **29, 6,** 2013, 1009-1017, ISSN 0959-3993 **(305)**

950. Irazusta, I., Nieto-Penalver, V., Cabral C.G., Amoroso, M.E., De Figueroa, L.I.C. Relationship among carotenoid production, copper bioremediation and oxidative stress in *Rhodotorula mucilaginosa* RCL-11. *Process Biochemistry,* **48,** 2013, 5-6, 803-809, ISSN 1359-5113 **(305)**

951. Gharibzahedi S.M.T., Razavi S.H., Mousavi S.M. Microbial canthaxanthin: Perspectives on biochemistry and biotechnological production. *Engineering in Life Sciences, 2013. DOI: 10.002/elsc.201200153*, ISSN 1618-0240 **(305)**

952. Cutzu R., Clemente A., Reis A., Nobre B., Mannazzu I., Roseiro J., Da Silva T.L. Assessment of β-carotene content, cell physiology and morphology of the yellow yeast *Rhodotorula glutinis* mutant 400A15 using flow cytometry. *Journal of Industrial Microbiology & Biotechnology,* **40, 8,** 2013, 865-875, ISSN 0168-1605 **(305)**

953. Braunwald T., Schwemmlein L., Graeff-Honninger S., French W.T., Hernandez R., Holmes W.E., Claupein W. Effect of different C/N ratios on carotenoid and lipid production by *Rhodotorula glutinis. Applied Microbiology and Biotechnology, 2013, DOI: 10.1007/s00253-013-5005-8*, ISSN 0175-7598 **(305)**

954. Riengsilchai A., Siramon P., Punsuvon V. Screening the potencial oleaginous yeast strain for lipid accumulation on glycerol, a by-product from biodisel production. *Advanced Materials Research (Advanced in Chemical Engineering),* 2013, v.781-784, 2445-2451, ISSN 1022-6680 **(305)**

955. Si O., Wang H., Du C., Zhang W., Qian H. Tentative identification of torulene cis/trans geometrical isomers isolated from *Sporodiobolus pararoseus* by high-performance liquid chromatography-diode array detection-mass spectrometry and preparation by column chromatography. *Analytical Sciences* **29,** 2013, 997-1002, ISSN 0910-6340 **(305)**

956. Thakur M., Azmi W. Nutraceutical β-carotene from natural non-conventional sources and its applications. *Annals of Phytomedicine* **2,** 2013, 59-73, ISSN 2278-9839 **(305)**

957. Valduga E., Ribeiro A.H.R., Cence K., Colet R., Tiggemann L., Zeni J., Toniazzo G. Carotenoids production from a newly isolated *Sporidiobolus pararoseus* strain using agroindustrial substrates. *Biocatalysis and Agricultural Biotechnology* 2013, DOI: 10.1016/J.bcab.2013.10.001, ISSN 1878-8181 **(305)**

958. Geipel K., Socher M.L., Haas C., Bley T., Steingroewer J. Growth kinetics of a *Helianthus annuus* and a *Salvia fruticosa* suspension cell line: shake flask cultivations with online monitoring system. *Engineering in Life Sciences* **13(6),** 2013, 593-502, ISSN 1618-2863 **(306)**

959. Greventuk T., Romano A. Micropropagation for the production of high quality phytochemicals. *Acta Horticulturae* **988**, 2013, 15-28, ISSN 0567-7572 **(306)**

960. Kokotkiewicz A., Luczkiewicz M., Kowalski W., Badura A., Piekus N., Bucinski A. Isoflavone production in *Cyclopia subternata* Vogel (honeybush) suspension cultures grown in shake flasks and stirred-tank reactor. *Applied Microbiology and Biotechnology* **97**, 2013, 8467-8477, ISSN 0175-7598 **(306)**

961. Li L-Q., Li X-L., Fu C-H., Zhao C-F., Yu L-J. Sustainable use of *Taxus media* cell cultures through minimal growth conservation and manipulation of genome methylation. *Process Biochemistry* **48,** 2013, 525-531, ISSN 1359-5113 **(306)**

962. Malik S., Mirjalili M.H., Fett-Neto A.G., Mazzafera P., Bonfill M. Living between two worlds: two-phase culture systems producing plant secondary metabolites. *Critical Reviews in Biotechnology* **33(1),** 2013, 1-22, ISSN 0738-8551 **(306)**

963. Miralpeix B., Rischer H., Häkkinen S.T., Ritala A., Seppänen-Laakso T., Oksman-Caldentey K.-M., Capell T., Christou P. Metabolic engineering of plant secondary

products: which way forward? *Current Pharmaceutical Design* **19(31)**, 2013, 5622-5639, ISSN 1381-6128 **(306)**

964. Moses T., Pollier J., Thevelein J.M., Goossens A. Bioengineering of plant (tri) terpenoids: from metabolic engineering of plants to synthetic biology *in vivo* and *in vitro*. *New Phytologist* **200**, 2013, 27-43, ISSN 1469-8137 **(306)**
965. Van Summeren-Wesenhagen P.V., Marienhagen J. Putting bugs to the blush: metabolic engineering for phenylpropanoid-derived products in microorganisms. *Bioengineered* **4(6),** 2013, 355-362, ISSN 2165-5987 **(306)**
966. Wang J., Zhang J., Gao W., Wang Q., Yin S., Liu H., Man S. Identification of triterpenoids and flavonoids, step-wise aeration treatment as well as antioxidant capacity of *Glycyrrhiza uralensis*. *Industrial Crops and Products* **49**, 2013, 675-681, ISSN 0926-6690 **(306)**
967. Yin Z., Shangguan X., Chen J., Zhao Q., Li D. Growth and triterpenic acid accumulation of *Cyclocarya paliurus* cell suspension cultures. *Biotechnology and Bioprocess Engineering* **18(3),** 2013, 606-614, ISSN 1226-8372 **(306)**
968. Sharma P., Padh H., Shrivastava N. Hairy root cultures: A suitable biological system for studying secondary metabolic pathways in plants. *Engineering in Life Sciences*, **13(1),** 2013, 62-75, ISSN 1618-2863, **(307)**
969. Tasheva K., Kosturkova G. Role of biotechnology for protection of endangered medicinal plants. In: Environmental Biotechnology - New Approaches and Prospective Applications, (Petre M. ed.). *InTech Publisher*, 2013, 235-285, **ISBN** 978-953-51-0972-3 **(307)**
970. Sen M.K., Nasrin S., Rahman S., Jamal A.H.M. In vitro callus induction and plantlet regeneration of *Achyranthes aspera* L., a high value medicinal plant. *Asian Pacific journal of tropical biomedicine*, **4(1),** 2014, 40-46, ISSN 2221-1691 **(307)**
971. Ahmad S., Garg M., Tamboli E.T., Abdin M.Z., Ansari S.H. In vitro production of alkaloids: Factors, approaches, challenges and prospects. *Pharmacognosy Reviews*, **7(13),** 2013, 27, ISSN 0973-7847 **(308)**
972. Ba A., Ndiaye P.I., Ba C.T., Miguel J. Ultrastructure of the spermatozoon of *Anomotaenia quelea* (Mettrick, 1961)(Cestoda, Cyclophyllidea, Dilepididae), an intestinal parasite of *Quelea quelea* (Aves, Ploceidae) in Senegal. *Zool Anzeiger* **253,** 2013, 119-125, ISSN 0044-523 **(309)**
973. Ismail W, Al-Rowaihi IS, Al-Humam AA, Hamza RY, El Nayal AM, Bououdina M. Characterization of a lipopeptide biosurfactant produced by a crude-oil-emulsifying *Bacillus sp.* I-15. *International Biodeterioration and Biodegradation,* **84**, 2013, 168-178, ISSN 0964-8305 **(310)**
974. Bharali P, Saikia JP , Ray A, Konwar BK. Rhamnolipid (RL) from Pseudomonas aeruginosa OBP1: A novel chemotaxis and antibacterial agent. *Colloid Surfaces B,* **103**, 2013, 502-509, ISSN 0927-7765 **(311)**
975. Cortés-Sánchez ADJ, Hernández-Sánchez H, Jaramillo-Flores ME. Biological activity of glycolipids produced by microorganisms: New trends and possible therapeutic alternatives. *Microbiological Research,* **168**, 2013, 22-32, ISSN 0944-5013 **(311)**

976. Djerbaoui, AN. Utilisation de souches bacteriennes Autochtones dans la production de Biosurfactant et la bioremediation des Sols de hassi messaoud contamines par Les hydrocarbures. *MS Thesis*, Universite Kasdi Merbah, Ouargla, Algere, 2013, 1-133 **(311)**

977. Ghadban AK, Swadi WA, Majeed GH, Studing Of Optimal Conditions For Production Of Biosurfactant (Rhamnolipid) By The Local Isolate P.a. 28 of *Pseudomonas aeruginosa*, 2013, http://www.iasj.net/iasj?func=fulltext&aId=73366 **(311)**

978. Giagkas DC, Choli-Papadopoulou T, Pantazaki AA, Development of an Antibody for Detection of Rhamnolipids Characterized as a Major Bacterial Virulence Factor. *Antibodies* **2**, 2013, 501-516; doi:10.3390/antib2030501, ISSN 2073-4468 **(311)**

979. Hua F, Wang H, Selective pseudosolubilization capability of *Pseudomonas* sp. DG17 on *n*-alkanes and uptake mechanisms analysis. *Frontiers of Environmental Science and Engineering*, **7**, 2013, 539-551, ISSN 2095-2201 **(311)**

980. Frank N. Untersuchungen zu Eigenschaften und Funktionen ausgewählter (Bio-) Tenside beim mikrobiellen Schadstoffabbau mittels kalorimetrischer und oberflächenanalytischer Methoden, *DISSERTATION* Zur Erlangung des akademischen Grade doctor rerum naturalium, Technischen Universität Bergakademie Freiber, 2013, 1-192 **(311)**

981. Kaczorek E, Sałek K, Guzik U, Jesionowski T, Cybulski Z. Biodegradation of alkyl derivatives of aromatic hydrocarbons and cell surface properties of a strain of *Pseudomonas stutzeri*. *Chemosphere,* **90**, 2013, 471-478, ISSN 0045-6535 **(311)**

982. Kaczorek E, Sałek K, Guzik U, Dudzińska-Bajorek B, Olszanowski A. The impact of long-term contact of *Achromobacter sp.* 4 with diesel oil - Changes in biodegradation, surface properties and hexadecane monooxygenase activity. *International Biodeterioration and Biodegradation,* **78**, 2013, 7-16, ISSN 0964-8305 **(311)**

983. Luo K, Ye Q, Yi X, Yang Q, Li X-M, Chen H-B, Liu X, Zeng G-M, Hydrolysis and acidification of waste-activated sludge in the presence of biosurfactant rhamnolipid: effect of pH. *Applyed. Microbiology and Biotechnology,* **97**, 2013, 5597-5604, ISSN 0175-7598 **(311)**

984. Singh AK, Cameotra SS, Influence of microbial and synthetic surfactant on the biodegradation of atrazine. *Environtal Sciience and Pollution Research,* **9**, 2013, DOI:10.1007/s11356-013-2127-6, ISSN 0944-1344 **(311)**

985. Sodagari M, Wang H, Newby B-M.Z , Ju L.-K. Effect of rhamnolipids on initial attachment of bacteria on glass and octadecyltrichlorosilane-modified glass. *Colloid Surfaces B,***103**, 2013, 121-128, ISSN. 0927-7765**(31)**

986. Yi X, Luo K, Yang Q, Li X-M, Deng W-G, Cheng H-B, Wang Z-L, Zeng G-M, Enhanced Hydrolysis and Acidification of Waste Activated Sludge by Biosurfactant Rhamnolipid. *Applyed Biochemistry and Biotechnology,* **171**, 2013, 1416-1428, ISSN 0273-2289 **(311)**

987. Cortés-Sánchez ADJ, Hernández-Sánchez H, Jaramillo-Flores ME. Biological activity of glycolipids produced by microorganisms: New trends and possible

therapeutic alternatives. *Microbiological Research*,**168**, 2013, 22-32, ISSN 0944-5013 **(312).**

988. Huang CF, Jiang YF, Guo GL, Hwang WS. Method of 2,3-butanediol production from glycerol and acid-pretreated rice straw hydrolysate by newly isolated strains: pre-evaluation as an integrated biorefinery process. *Bioresource Technology*, **135**, 2013, 446-453, ISSN 0960-8524 **(313)**

989. Ilieva B, Naydenova G, Yankova S, Beschkov V. Biotransformation of glycerol by *Pseudomonas Denitrificans* 1625 and *Klebsiella Oxytoca* VA 8391. *Journal of International Scientific Publications: Ecology and Safety*, **7(1),** 2013, 73-82, ISSN 1313-2563 **(313)**

990. Li C, Lesnik KL, Liu H. Microbial Conversion of waste glycerol from biodiesel production into value-added products. *Energies*, **6(9),** 2013, 4739-4768, ISSN 1996-1073 **(313)**

991. Shin SH, Um Y, Beak JH, Kim S, Lee S, Oh MK, Kim YR, Lee J, Kap-Seok Yanga KS. Complete genome sequence of *Raoultella ornithinolytica* strain B6, a 2,3-Butanediol-producing bacterium isolated from oil-contaminated soil" *Genome Announcements*, **1(3),** 2013, e00395-13, ISSN 2169-8287 **(313)**

992. Wong CL, Yen HW, Lin CL, Chang JS. Effects of pH and fermentation strategies on 2,3-butanediol production with an isolated *Klebsiella* sp. Zmd30 strain. *Bioresource Technology*, 152, 2014, 169-176, ISSN 0960-8524 **(313)**

993. Yang ST, El-Ensashy H, Thongchul N. Bioprocessing technologies in biorefinery for sustainable production of fuels, chemicals, and polymers, Wiley, 2013, **ISBN** 9781118641941 **(313)**

994. Yang T, Rao Z, Zhang X, Xu M, Xu Z. Effects of pH and oxygen supply on production of 2,3-butanediol from biodiesel-derived glycerol by *Bacillus amyloliquefaciens*. *Chinese Journal of Biotechnology*, **29(12),** 2013, 1860-1864, ISSN 1879-0003 **(313)**

995. Yang TW, Rao ZM, Zhang X, Xu MJ, Xu ZH, Yang ST. Fermentation of biodiesel-derived glycerol by *Bacillus amyloliquefaciens*: effects of co-substrates on 2,3-butanediol production. *Applied Microbiology and Biotechnology*, **97(17),** 2013, 7651-7658, ISSN 0175-7598 **(313)**

996. Yen HW, Li FT, Wong CL, Chang JS. The pH effects on the distribution of 1,3-propanediol and 2,3-butanediol produced simultaneously by using an isolated indigenous *Klebsiella* sp. Ana-WS5. *Bioprocess and Biosystems Engineering*, 2013, DOI 10.1007/s00449-013-1008-1, ISSN 1615-7591 **(313)**

997. El-Sayed MM, Abdel-Aziz MM, Abdel-Gawad MM, Abdel-Hameed El-SS, Ahmed WS, Abdel-Lateef EE. Chemical Constituents and Cytotoxic activity of *Cassia glauca Lan.* Leaves. *Life Science Journal,* **10(3)**, 2013, 1617-1625, ISSN 0024-3205 **(314)**

998. Agudelo C, Ortega R, J. L. Hoyos, "Determination of kinetic parameters of two lactic inoculums: Lactobacillus plantarum A6 and lactic acid bacterias of yogurt", Biotecnología en el Sector Agropecuario y Agroindustrial, **8(2)**, 2010, 8-16 **(315)**

999. Caicedo MNM, “Estudio del efecto de los fructooligosacáridos en la producción de bacteriocinas por aislados nativos de Lactobacillus spp.”, MSc Thesis, Universidad Nacional de Colombia, Bogotá, Colombia, 2012, pp. 36, 39, 43, 57 **(315)**

1000. Dharmasena MP, Assessement of viability of probiotic bacteria in non dairy food matrices under refrigeration sterage. MSc Thesis, Clemson University, USA, 2012, pp. 1, 31, 66 **(315)**

1001. Diaz-Vela J, Totosaus A, Cruz-Guerrero AE, de Lourdes Perez-Chabela M. In vitro evaluation of the fermentation of added-value agroindustrial by-products: cactus pear (Opuntia ficus-indica L.) peel and pineapple (Ananas comosus) peel as functional ingredients. *International Journal of Food Science and Technology*, **48(7)**, 2013, 1460–1467, ISSN 1365-2621 **(315)**

1002. Đorđević TM, Šiler-Marinković SS, Đurović-Pejčev RD, Dimitrijević-Branković SI, Gajić Umiljendić JS. Dissipation of pirimiphos-methyl during wheat fermentation by *Lactobacillus plantarum. Letters in Applied Microbiology*, **57(5)**, 2013, 412-419, ISSN 1472-765X **(315)**

1003. Miniguano JLP, El efecto del uso de probióticos (Lactobacillus plantarum & Lactobacillus casei) y enzimas amilasas (Fungamyl) & pectinasas (AFPL), en la fermentación ácido-láctica de Camote (Ipomoeabatatas L.)", MSc Thesis, Universidad Técnica de Ambato, 2012, p. 55 **(315)**

1004. Subhasree RS, Bhakyaraj R, Dinesh Babu P. Evaluation of brown rice and germinated brown rice as an alternative substrate for probiotic food formulation using Lactobacillus spp. isolated from goat milk, *International Food Research Journal*, **20(5)**, 2013, 2967-2971, ISSN 19854668 **(315)**

1005. Tsekova KV, Chernev GE, Hristov AE, Kabaivanova LV. Phenol biodegradation by fungal cells immobilized in sol-gel hybrids. *Zeitschrift Fur Naturforschung - Section C Journal Of Biosciences* **68 C(1-2)**, 2013, 53-59, ISSN 0939-5075 **(316)**

1006. Bello OS, Inyinbor AA, Dada AO, Oluyori AP. Impact of Nigerian Textile Industry on Economy and Environment: a Review. *International Journal of Basic & Applied Sciences IJBAS-IJENS*, **13(01)**, 2013, ISSN **2227-2720 (317)**

1007. Sanders F, Dwyer M. Impact of nigerian textile industry on economy and environment: A Review. *European Journal of Developing Country Studies*, 2013, ISSN 2668-3385 **(317)**

1008. Sumbul A, Tasneem F. Laccase production and simultaneous decolorization of synthetic dyes by cyanobacteria. *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, **2(8)**, 2013, 3563-3568, ISSN 2319-8753 **(317)**

1009. Turchi B, Mancini S, Fratini F, Pedonese F, Nuvoloni R, Bertelloni F, Ebani VV, Cerri D. Preliminary evaluation of probiotic potential of *Lactobacillus plantarum* strains isolated from Italian food products. *World Journal of Microbiology and Biotechnology*, **29 (10),** 2013, 1913-1922, ISSN 0959-3993 **(318)**

1010. Daneshi M, Ehsani MR, Razavi SH, Labbafi M. Effect of refrigerated storage on the probiotic survival and sensory properties of milk/carrot juice mix drink. *Electronic Journal of Biotechnology*, **16 (5)**, 2013, ISSN 0717-3458 **(318)**

1011. Zhang L, Zhang X, Liu C, Li C, Li S, Li T, Li D, Zhao Y, Yang Z. Manufacture of Cheddar cheese using probiotic *Lactobacillus plantarum* K25 and its cholesterol-lowering effects in a mice model. *World Journal of Microbiology and Biotechnology*, **29 (1)**, 2013, 127-135, ISSN 0959-3993 **(318)**

1012. Shuang M, Xue Z, Li Z, Yang Ching L. Probiotic Lactobacillus vitro antioxidant activity Ma Shuang, Zhang Xue, Zhang Li, Lee, Yang Ching-resistant - China Dairy Industry 2013 - Wanfang Data Resource System, *China Dairy Industry 2013 - Wanfang Data Resource System* **(318)**

1013. Aleksandrova V, Ishlimova D, Urshev Z, Classification of *Lactobacillus delbrueckii* ssp. *bulgaricus* phage gb1 into group "b" *Lactobacillus delbrueckii* bacteriophages based on its partial genome sequencing. *Bulgarian Journal of Agricultural Science*, **19 (2),** 2013, 90-93, ISSN 1310-0351 **(319)**

1014. El Ouardi A., Senouci S., El Habib F., Ennaji M., Pseudomonas Aeruginosa in Water of Hamam or Turkish Bath: Serotyping and Antibiotic Susceptibility, *Middle-East Journal of Scientific Research* **15(4),** 2013, 487-492, DOI:10.5829/ idosi.mejsr.2013.15.4.74101, ISSN 1990-9233 **(320)**

1015. Belmont M. *Lavandula angustifolia* M., *Lavandula latifolia* M.,*Lavandula* x *intermedia* E.: Études botaniques,chimiques et thérapeutiques, Diploma thesis, 2013, Universite Josepf Foutier, Grenoble, France **(321)**

1016. Denys J. C. Lavender. In: Antioxidant Properties of Spices, Herbs and Other Sources, 2013, 363-369, Springer New York Heidelberg Dordrecht London, **ISBN** 978-1-4614-4309-4 **(321)**

1017. Gonçalves S., Romano A. In vitro culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites (Review). *Biotechnol Adv,* 31(2), 2013, 166-174, ISSN 0734-9750 **(321)**

1018. Yue H.L., Zhao X.H., Mei L.J, Shao Y. Separation and purification of five phenylpropanoid glycosides from *Lamiophlomis rotata* (Benth.) Kudo by a macroporous resin column combined with high-speed counter-current chromatography. *J Separation Sci*, 2013, **36 (18),** 3123-3129, ISSN 1615-9314 **(321)**

1019. Boo, S.Y., Wong, C.M.V.L., Rodrigues, K.F., Najimudin, N., Murad, A.M.A., Mahadi, N.M. Thermal stress responses in Antarctic yeast, *Glaciozyma antarctica* PI12, characterized by real-time quantitative PCR. *Polar Biol*, **36(3),** 2013, 381-389, ISSN 0722-4060, **(322)**

1020. Wang, Q., Hou, Y., Qu, J., Hong, Y., Lin, Y., Han, X.. Molecular cloning, expression, purification and characterization of thioredoxin from Antarctic sea-ice bacteria *Pseudoalteromonas* sp. AN178. *Molecular Biol Reports,* **40(12),** 2013, 6587-6591, ISSN 0301-4851 **(322)**

1021. Dhakar K., Sharma A., Pandey A. Cold, pH and salt tolerant Penicillium spp. inhabit the high altitude soils in Himalaya, India. *World J Microbiol Biotechnol*, 2013, DOI 10.1007/s11274-013-1545-4, ISSN 0959-3993 **(323)**

1022. José I. Rovati, Hipólito F. PajotLucas Ruberto, Walter Mac Cormack, Lucía I. C. Figueroa. Polyphenolic substrates and dyes degradation by yeasts from 25 de

Mayo/King George Island (Antarctica). *Yeast,* **30(11),** 2013, 459–470, Online ISSN 1097-0061 **(323)**

1023. Rovati J.I., Pajot H. F., Ruberto L., Mac Cormack W., Figueroa L. I. Polyphenolic substrates and dyes degradation by yeasts from 25 de Mayo/King George Island (Antarctica). *Yeast,* **30(11),** 2013, 459–470, ISSN 1097-0061 **(323)**

1024. Sahay S., Lone M. A, Jain P., Singh P., Chouhan D., Shezad F. Cold-active Moulds from Jammu and Kashmir, India as Potential Source of Cold-active Enzymes. *American J Curr Microbiol,* 1(1), 2013*,* Article ID 201300212, 13 pages ISSN 1948-9838 **(323)**

1025. Gomaa Ola M., Azab K.S. Biological indicators, genetic polymorphism and expression in *Aspergillus flavus* under copper mediated stress. *J Radiation Res Appl Sci*, 2013, in press (Available online) ISSN 1687-8507 **(324)**

1026. Diao Y., Li T., Zhao Z. Zinc accumulation characteristics of two exophiala strains and their antioxidant response to Zn^{2+} stress. *JEP*, **4(4A)**, 2013, 12-19, ISSN 2152-2219 **(324)**

1027. Martins F., Pereira J.A., Baptista P. Oxidative stress response of *Beauveria bassiana* to Bordeaux mixture and its influence on fungus growth and development *Pest Manag Sci* (2013) in press, ISSN 1526-4998 **(324)**

1028. Baulin V. E., Ovsyannikova E. V., Kalashnikova I. P., Girina G. P., Andreev V. N., Alpatova N. M., Tsivadze A. Yu. New tetra- and octa-functionalized phthalocyanines: Methods of synthesis and physicochemical properties in aqueous solutions and on solid substrates. *Prot Met Phys Chem Surf,* **49,** 2013, 1, 5-31, ISSN 0033-1732 **(325)**

1029. Ribeiro APD, MC Andrade, VS Bagnato, CE Vergani, FL Primo, AC Tedesco, AC Pavarina. Antimicrobial photodynamic therapy against pathogenic bacterial suspensions and biofilms using chloro-aluminum phthalocyanine encapsulated in nanoemulsions. *Lasers Med Sci*, 2013, DOI 10.1007/s10103-013-1354-x, ISSN 0268-8921 **(325)**

1030. Yin R., T. Dai, P. Avci, A.E.S. Jorge, W. CMA de Melo, D. Vecchio, Y.-Y. Huang, A. Gupta, M. R. Hamblin. Light based anti-infectives: ultraviolet C irradiation, photodynamic therapy, blue light, and beyond. *Curr. Opin. Pharmacol.,* **13,** 2013, 731-762, ISSN 1471-4892 **(325)**

1031. Benkerroum N. Traditional Fermented Foods of North African Countries: Technology and Food Safety Challenges With Regard to Microbiological Risks. *Comprehensive Reviews in Food Science and Food Safety*, **1, 12**, 2013, 54-89, ISSN 1541-4337 **(326)**

1032. Oszmiański J., Kolniak-Ostek J., Wojdyło A. Characterization and content of flavonol derivatives of *Allium ursinum L.* plant. *Journal of Agricultural and Food Chemistry*, **1, 61,** 2013, 176-184, ISSN 0021-8561 **(326)**

1033. Xu X-Y., Song G-Q., Yu Y-Q., Ma H-Y., Ma L., Jin Y-N. Apoptosis and G2/M arrest induced by *Allium ursinum* (ramson) watery extract in an AGS gastric cancer cell line. *OncoTargets and Therapy*, **6,** 2013, 779-783, ISSN 1178-6930 **(326)**

1034. Mok S-Y., Kim HM., Lee S. Isolation of astragalin from flowers of *Rhododendron mucronulatum for. albiflorum*. *Horticulture Environment and Biotechnology*, **5, 54**, 2013, 450-455, ISSN 2211-3452 **(326)**

1035. Hanekom, M., Streicher, E. M., Van de Berg, D., Cox, H., McDermid, C., Bosman, M., ... & Warren, R. M. (2013). Population Structure of Mixed Mycobacterium tuberculosis Infection Is Strain Genotype and Culture Medium Dependent. *PloS one*, *8*(7), e70178, ISSN 1932-620 **(327)**

1036. Kwak, S.-Y., Yang, J.-K., Choi, H.-R., Park, K.-C., Kim, Y.-B., Lee, Y.-S. Synthesis and dual biological effects of hydroxycinnamoyl phenylalanyl/prolyl hydroxamic acid derivatives as tyrosinase inhibitor and antioxidant. *Bioorganic and Medicinal Chemistry Letters*, **23(4),** 2013, 1136-1142, ISSN 0960-894X **(328)**

1037. Chochkova, M., Stoykova, B., Ivanova, G., Ranz, A., Guo, X., Lankmayr, E., Milkova, T. N-Hydroxycinnamoyl amides of fluorinated amino acids: Synthesis, anti-tyrosinase and DPPH scavenging activities. *Journal of Fluorine Chemistry*, **156,** 2013, 203-208, ISSN 0022-1139 **(328)**

1038. Peng, X.-M., Cai, G.-X. , Zhou, C.-H. Recent developments in azole compounds as antibacterial and antifungal agents. *Current Topics in Medicinal Chemistry*, **13(16),** 2013, 1963-2010, ISSN 1568-0266 **(328)**

1039. Razzaghi-A, N., Garrido, J., Khazraei, H., Borges, F., Firuzi, O.Antioxidant properties of hydroxycinnamic acids: A review of structure-activity relationships (Review). *Current Medicinal Chemistry*, **20(36),** 2013, 4436-4450 ISSN 0929-8673 **(328)**

1040. Coad Bryan R *et al.* Biomaterials surfaces capable of resisting fungal attachment and biofilm formation. *Biotechnology Advances* (2013). DOI 10.1016/j.biotechadv.2013.10.015, ISSN 0734-9750 **(329)**

1041. Fourches, D., Muratov, E., Ding, F., Dokholyan, N.V., Tropsha, A. Predicting binding affinity of CSAR ligands using both structure-based and ligand-based approaches. *Journal of Chemical Information and Modeling*, **53(8),** 2013, 1915-1922, ISSN 1549-9596, **(330)**

1042. Nimmerjahn F., Molecular and cellular pathways involved in the anti-inflammatory activity of IgG. Molecular and Cellular Mechanisms of Antibody Activity, 2013, 113-138, **ISBN** 978-1-4614-7106-6 **(331)**

1043. Kouser L., Abdul-Aziz M., Nayak A., Stover C.M., Sim R.B., Kishore U. Properdin and factor H: Opposing players on the alternative complement pathway "see-saw". *Frontiers in Immunology*, **4,** 2013, ISSN 1664-3224 **(332)**

1044. Lesher A.M., Nilsson B., Song W.C. Properdin in complement activation and tissue injury. *Molecular Immunology*, **56,** 2013, 191-198, ISSN 0161-5890 **(332)**

1045. Lesher A.M., Zhou L., Kimura Y., Sato S., Gullipalli D., Herbert A.P, et al. Combination of factor H mutation and properdin deficiency causes severe C3 glomerulonephritis. *Journal of the American Society of Nephrology*, **24**, 2013, 53-65 ISSN 1046-6673 **(332)**

1046. Liu Y.-C., Chen Z.-F., Song X.-Y., Peng Y., Qin Q.-P., Liang H. Synthesis, crystal structure, cytotoxicity and DNA interaction of 5,7-dibromo-8-quinolinato-lanthanides. *Eur. J. Med. Chem.*, 59, 2013, 168-175, ISSN 0223-5234 **(333)**

1047. Chen Z.-F., Gu Y.-Q., Song X.-Y., Liu Y.-C., Peng Y., Liang H. Synthesis, crystal structure, cytotoxicity and DNA interaction of 5,7-dichloro-8-quinolinato-lanthanides. *Eur. J. Med. Chem.*, **59**, 2013, 194-202, ISSN 0223-5234 **(333)**

1048. Villalba M., Rathore M.G., Lopez-Royuela N., Krzywinska E., Garaude J., Allende-Vega, N. From tumor cell metabolism to tumor immune escape. *Int J Biochem Cell Biol,* **45**, 2013, 106, ISSN 1357-2725 **(334)**

1049. Henrotin Y., Lambert C. Chondroitin and glucosamine in the management of osteoarthritis: An update topical collection on complementary and alternative medicine. *Current Rheumatology Reports* **15,** 2013, ISSN 1523-3774 **(335)**

1050. Henrotin Y., Lambert C., Richette P. Importance of synovitis in osteoarthritis: Evidence for the use of glycosaminoglycans against synovial inflammation. *In: Seminars in Arthritis and Rheumatism*, Elsevier, 2013, ISSN 0049-0172 **(335)**

1051. Yoshinari O., Shiojima Y., Moriyama H., Shinozaki J., Nakane T., Masuda K., et al. Water-soluble undenatured type II collagen ameliorates collagen-induced arthritis in mice. *Journal of Medicinal Food*, **16,** 2013, 1039-1045 ISSN 1096-620X **(335)**

1052. Kim B.J., Choi B.H., Jin L.H., Park S.R., Min B.H. Comparison between subchondral bone change and cartilage degeneration in collagenase-and DMM-induced osteoarthritis (OA) models in mice. *Tissue Engineering and Regenerative Medicine*, **10,** 2013, 211-217, ISSN 1738-2696 **(335)**

1053. Toreti VC., Sato HH., Pastore GM., Park YK. Recent progress of propolis for its biological and chemical compositions and its botanical origin. *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 697390, ISSN 1741-427X **(336)**

1054. Zhang J-L., Wang K., Hu F-L. Advance in studies on antioxidant activity of propolis and its molecular mechanism. *Zhongguo Zhongyao Zazhi*, **16, 38**, 2013, 2645-2652, ISSN 1001-5302 **(336)**

1055. De Groot AC. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects, *Dermatitis*, **6, 24**, 2013, 263-282, ISSN 1710-3568 **(336)**

1056. Sarker LS., Demissie ZA., Mahmoud SS. Cloning of a sesquiterpene synthase from Lavandula x intermedia glandular trichomes. *Planta*, **5,** 238, 2013, 983-989, ISSN 0032-0935 **(337)**

1057. Amin MG Mostofa *et al*. Persistence and leaching potential of microorganisms and mineral N in animal manure applied to intact soil columns. *Applied and Environmental Microbiology* **79.2**, 2013, 535-542, ISSN 0099-2240 **(338)**

1058. Jiao Yang *et al.* Progress cells in the fermentation industry resting. *Food and Fermentation Industries* **39.008**, 2013, 187-191, ISSN 0253-990X **(338)**

1059. Ferreres F., Vinholes J., Gil-Izquierdo A., Valentão P., Gonçalves R.F., Andrade P.B. In vitro studies of α-glucosidase inhibitors and antiradical constituents of *Glandora diffusa* (Lag.) D.C. Thomas infusion, *Food Chem*, **136(3-4),** 2013, 1390-1398, ISSN 0308-8146 **(340)**

1060. Singh M., Roy B., Tandon V., Chaturvedi R. Extracts of dedifferentiated cultures of *Spilanthes acmella* Murr. possess antioxidant and anthelmintic properties and hold

promise as an alternative source of herbal medicine. *Plant Biosys*, 2013, in press (Available online), ISSN 1126-3504 **(340)**

1061. Bernardi J. Clorófitas monostromáticas (Ulotrichales) do atlântico sul e península Antártica: morfologia comparada, mapeamento latitudinal e potencial antioxidante. PhD thesis, 2013, Universidade Federal do Paraná, Brasi **(341)**

1062. Boo S.Y., Wong C.M.V.L., Rodrigues K.F., Najimudin N., Murad A.M.A., Mahadi N.M.Thermal stress responses in Antarctic yeast, Glaciozyma antarctica PI12, characterized by real-time quantitative PCR. *Polar Bio*l, 2013; 36(3), in press, ISSN: 0722-4060 **(341)**

1063. Gerginova M., Manasiev J., Yemendzhiev H., Terziyska A., Peneva N., Alexieva Z. Biodegradation of phenol by Antarctic strains of *Aspergillus fumigatus. Zeitschrift fur Naturforschung - Section C, J Biosci,* **68** C(9-10), 2013, 384-393, ISSN 0340-4811 **(341)**

1064. Krastanov A., Alexieva Z., Yemendzhiev H. Microbial degradation of phenol and phenolic derivatives (Review). *Eng Life Sci.* **13(1),** 2013, 76-87, ISSN 1618-2863 **(341)**

1065. Zhang L, Ren L., Hu Y., Qu L., Huang, He. Superoxide dismutase malondialdehyde and proline as new quality criteria for *Schizochytrium* sp. Fermentation. *Acta Microbiol Sin,* **53(2),** 2013, 136-144, ISSN 0001-6209 **(341)**

1066. Liu G., Lut M., Verberk J., Van Dijk J.C., A comparison of additional treatment processes to limit particle accumulation and microbial growth during drinking water distribution*, Water Research*, **47(8),** 2013, 2719-2728, ISNN 0043-1354, **(342)**

1067. Pruden A., Edwards M.A., Falkinham III J.O., State of the Science and Research Needs for Opportunistic Pathogens in Premise Plumbing, *Water Research Foundation*, 2013, pp.183. http://www.waterrf.org/PublicReportLibrary/4379.pdf **(342)**

1068. Halder S, Nam H.-J, Govindasamy L, Vogel M, Dinsart C, Salome N, McKenna R, Agbandje-McKenna M. Structural characterization of H-1 parvovirus: Comparison of infectious virions to empty capsids. *Journal of Virology*, **87 (9),** 2013, 5128-5140, DOI: 10.1128/JVI.03416-12, ISSN 0022-538X **(343)**

1069. Heinrich B, Goepfert K, Delic M, Galle PR, Moehler M. Influence of the oncolytic parvovirus H-1, CTLA-4 antibody tremelimumab and cytostatic drugs on the human immune system in a human in vitro model of colorectal cancer cells. OncoTargets and Therapy, 6, 2013, ISSN 1178-6930 **(343)**

1070. Lecolle K, Begard S, Caillierez R, Demeyer D, Grellier E, Loyens A, Csaba Z, Colin M. Sstr2A : A relevant target for the delivery of genes into human Glioblastoma cells using fiber-modified adenoviral vectors. Gene Therapy, **20 (3),** 2013, 283-297, DOI: 10.1038/gt.2012.39, ISSN 0969-7128 **(343)**

1071. Li J, Bonifati S, Hristov G., Marttila T, Valmary-Degano S, Stanzel S, Schnoelzer M, Marchini A. Synergistic combination of valproic acid and oncolytic parvovirus H-1PV as a potential therapy against cervical and pancreatic carcinomas. *EMBO Molecular Medicine*, **5(10),** 2013, 1537-1555, ISSN 1757-4676 **(343)**

1072. Morinet F, Casetti L, Francois J.-H, Capron C, Pillet S. Oxygen tension level and human viral infections. Virology, **444(1-2),** 2013, 31-36, DOI: 10.1016/j.virol. 2013.06.018, ISSN 0042-6822 **(343)**

1073. Sieben M, Schaefer P, Dinsart C, Galle PR, Moehler M. Activation of the human immune system via toll-like receptors by the oncolytic parvovirus H-1. *International Journal of Cancer*, **132(11),** 2013, 2548-2556, ISSN 0020-7136 **(343)**

1074. Katrolia P., Rajashekhara E., Yan Q., Jiang Z. Biotechnological potential of microbial α-galactosidases. *Crit. Rev. Biotechnol.* 2013, 1-11, Early online (doi: 10.3109/07388551.2013.794124), ISSN 0738-8551 **(344)**

1075. Pavlovic V., Stojanovic I., Jadranin M., Vajs V., Djordjević I., Smelcerovic A., Stojanovic G. Effect of four lichen acids isolated from *Hypogymnia physodes* on viability of rat thymocytes. *Food Chem. Toxicol.* **51(1),** 2013, 160-164, ISSN 0278-6915 **(345)**

1076. Dickson D.J., Ely R.L. Silica sol-gel encapsulation of cyanobacteria: Lessons for academic and applied research. *Appl. Microbiol. Biotechnol.* **97(5)**, 2013, 1809-1819, ISSN 1432-0614 **(346)**

1077. Gao C., Gao Q., Li Y., Rahaman M.N., Teramoto A., Abe K. In vitro evaluation of electrospun gelatin-bioactive glass hybrid scaffolds for bone regeneration. *J. Appl. Polymer Sci.* **127(4),** 2013, 2588-2599, ISSN 1097-4628 **(346)**

1078. De La Calle I., Cabaleiro N., Romero V., Lavilla I., Bendicho C. Sample pretreatment strategies for total reflection X-ray fluorescence analysis: A tutorial review. *Spectrochim. Acta/Atomic Spectroscopy* **90,** 2013, 23-54, ISSN 0584-8547 **(347)**

1079. De La Calle I., Cabaleiro N., Romero V., Lavilla I., Bendicho C. Sample pretreatment strategies for total reflection X-ray fluorescence analysis: A tutorial review. *Spectrochim. Acta/Atomic Spectroscopy* **90**, 2013, 23-54, ISSN 0584-8547 **(348)**

1080. Vansteelandt M., Blanchet E., Egorov M., Petit F., Toupet L., Bondon A., Monteau F., (...), Grovel O. Ligerin, an antiproliferative chlorinated sesquiterpenoid from a marine-derived *Penicillium* strain. *J. Natural Prod.* **76(2),** 2013, 297-301, ISSN 0163-3864 **(349)**

1081. Kawaguchi M., Fukuda T., Uchida R., Nonaka K., Masuma R., Tomoda H. A new ascochlorin derivative from *Cylindrocarpon* sp. FKI-4602. *J. Antibiot.* **66(1),** 2013, 23-29, ISSN 1881-1469 **(349)**

1082. Hayashi H., Kanai N., Kawamura N., Matsuda Y.H., Kuga K., Nakatsuji S., Yamashita T., Ohara S. Chemical effects of high-resolution yblγ4 emission spectra: A possible probe for chemical analysis. *X-Ray Spectrometry* **42(6),** 2013, 450-455, ISSN 1097-4539 **(350)**

1083. Gong X., Li W., Wang K., Hu J. Study of the adsorption of Cr(VI) by tannic acid immobilised powdered activated carbon from micro-polluted water in the presence of dissolved humic acid. *Biores. Technol.* **141**, 2013, 145-151, ISSN 0960-8524 **(350)**

1084. López-García M., Lodeiro P., Herrero R., Barriada J.L., Rey-Castro C., David C., Sastre de Vicente M.E. Experimental evidences for a new model in the description

of the adsorption-coupled reduction of Cr(VI) by protonated banana skin. *Biores. Technol.* **139**, 2013, 181-189, ISSN 0960-8524 **(350)**

1085. Vilcáez J., Li L., Hubbard S.S. A new model for the biodegradation kinetics of oil droplets: Application to the Deepwater Horizon oil spill in the Gulf of Mexico. *Geochem. Trans.* 14(1), 2013, art. no. 4, ISSN 1467-4866 **(351)**

1086. Li J.-J., Liao D.-Q., Xu M.-Y., Sun G.-P. Removal of BTEX by a biotrickling filter and analysis of corresponding bacterial communities. *Huanjing Kexue/Environ. Sci.* **34(7),** 2013, 2552-2559, ISSN 0250-3301 **(351)**

1087. Kasi M., Wadhawan T., McEvoy J., Padmanabhan G., Khan E. Effect of carbon source during enrichment on BTEX degradation by anaerobic mixed bacterial cultures. *Biodegradation* **24(2),** 2013, 279-293, ISSN 1572-9729 **(351)**

1088. Khosravihaftkhany S., Morad N., Teng T.T., Abdullah A.Z., Norli I. Biosorption of Pb(II) and Fe(III) from aqueous solutions using oil palm biomass as adsorbent. *Water Air Soil Pollut.* **224(3)**, 2013, art. no. 1455, ISSN 1573-2932 **(352)**

1089. Kalkan E., Nadaroglu H., Dikbaş N., Taşgin E., Selebi N. Bacteria-modified red mud for adsorption of cadmium ions from aqueous solutions. *Polish J. Environ. Stud.* **22(2),** 2013, 417-429, ISSN 1230-1485 **(352)**

1090. Ting A.S.Y., Rahman N.H.A., Tan W.S. Investigating metal removal potential by effective microorganisms (EM) in alginate-immobilized and free-cell forms. *Biores. Technol.* **147,** 2013, 636-639, ISSN 0960-8524 **(352)**

1091. Sepehr M.N., Zarrabi M., Amrane A., Samarghandi M.R. Removal of Cr (III) from model solutions and a real effluent by *Phanerochaete chrysosporium* isolated living microorganisms: Equilibrium and kinetics. *Desalinat. Water Treat.* **51(28-30),** 2013, 5627-5637, ISSN 1944-3986 **(352)**

1092. Chen C.-Y., Fu Y.-J., Zu Y.-G., Wang W., Mu F.-S. et al. Biotransformation of saponins to astragaioside IV from Padix Astragali by immobilized *Aspergillus niger*. *Biocatal. Agric. Biotechnol.* **2(3),** 2013, 196-203, ISSN 1878-8181 **(352)**

1093. Kushwaha S., Sudkahar P. Sorption mechanism of Cd (II) and Zn (II) onto modified palm shell. *Adsorp. Sci. Technol.* **31(6),** 2013, 503-519, ISSN 0263-6174 **(352)**

1094. Bardi A., Asgari M., Miri T., Eskandari Z. Removal and recovery of copper and nickel ions from aqueous solution by poly(methacrylamide-co-acrylic acid)/montmorilonite nanocomposites. *Environ. Sci. Pollut. Res.* **20(9),** 2013**,** 6242-6255, ISSN 1614-7499 **(352)**

1095. Behera S.K., Panda P.P., Saini S.K., Pradhan N., Sukla L.B., Mishra B.K. Recovery of nickel from chromite overburden, Sukinda using *Aspergillus niger* supplemented with manganese. *Korean J. Chem. Eng.*, **30(2),** 2013, 392-399, ISSN 1975-7220 **(353)**

1096. Han Y., Zhang W., Zhou Z., Li M. Study on the adsorption and mechanism of divalent iron and manganase ions by *Eichhornia crassipes. Huanjing Kexue Xuebao/Acta Sci. Cir.* **33(3),** 2013, 715-724, ISSN 0253-2468 **(353)**

1097. Gazem M.A.H., Nazareth S. Sorption of lead and copper from an aqueous phase system by marine-derived *Aspergillus niger. Ann. Microb.* **63(2)**, 2013, 503-511, ISSN 1869-2044 **(353)**

1098. Han Y.-H., Zhang W.-X., Zhou Z.-h., Feng F.-X., Li M. Removal of Fe(II) and Mn(II) from aqueous solution using *Eichhornia crassipes. Fres. Environ. Bull.*, **22(4B)**, 2013, 1239-1245, ISSN 1018-4619 **(353)**

1099. Li L., Yang Y., Jia H., Yang L., Cao Q., Liu X. Isolation and Cu^{2+} biosorption of metal-tolerant bacterium. *Huagong Xuebao/CIESC Journal*, **64(9),** 2013, 3381-3389, ISSN 0438-1157 **(353)**

1100. Jin S., Wang W., Luo M., Mu F.-S., Li C.-Y., Fu Y.-J., Zu Y.-G., Feng C. Enhanced extraction genistein from pigeon pea [*Cajanus cajan* (L.) Millsp.] roots with the biotransformation of immobilized edible *Aspergillus oryzae* and *Monacus anka* and antioxidant activity evaluation. *Process Biochem.* **48(9),** 2013, 1285-1292, ISSN 1359-5113 **(353)**

1101. Sai Subhashini S., Velan M., Kaliappan S. Biosorption of lead by *Kluyveromyces marxianus* immobilized in alginate beads. *J. Environ. Biol.* 34(5), 2013, 831-835, ISSN 0254-8704 **(353)**

1102. Biswas S., Dey K., Mukhergee S., Banerjee P.C. Bioleaching of nickel and cobalt from lateritic chromite overburden using the culture filtrate of *Aspergillus niger*. *Appl. Biochem. Biotechnol.* **170(7),** 2013, 1547-1559, ISSN 1559-0291 **(353)**

1103. Qazi JI. Biotechnological potential and conservatory of extremophiles from climatically wide ranged developing countries: Lesson from Pakistan. *Crit. Rev. Microbiol.,* **39(1),** 2013, 1-8, ISSN 1040-841X **(354)**

1104. Chaitanya K, Nagamani P, Mahmood SK. Production of exopolysaccharide and polyhydroxybutyrate by newly isolated *Bacillus* AP03 from industrial effluents. *Int. J. Pharm. Bio. Sci*., **4(2),** 2013, (B) 404-414, ISSN 0975-6299 **(354)**

1105. Spanò A, Gugliandolo C, Lentini V, Maugeri TL, Anzelmo G, Poli A, Nicolaus B. A novel EPS-producing strain of *Bacillus licheniformis* isolated from a shallow vent Off Panarea Island (Italy). *Curr. Microbiol.,* **67(1),** 2013, 21-29, ISSN 0343-8651 **(354)**

1106. Jain RM, Mody K, Joshi N, Mishra A, Jha B. Production and structural characterization of biosurfactant produced by an alkaliphilic bacterium, *Klebsiella* sp.: Evaluation of different carbon sources. *Colloids Surfaces B,* **108**, 2013, 199-204, ISSN 0927-7765 **(354)**

1107. Vlaev S, Rusinova-Videva S, Pavlova K, Kuncheva M, Panchev I, Dobreva S. Submerged culture process for biomass and exopolysaccharide production by Antarctic yeast: Some engineering considerations. *Appl. Microbiol. Biotechnol.,* **97(12),** 2013, 5303-5313, ISSN 0175-7598 **(354)**

1108. Kralj Kunčič M, Zajc J, Drobne D, Pipan Tkalec T, Gunde-Cimerman N. Morphological responses to high sugar concentrationsdifferfrom adaptation to high salt concentrations in the xerophilic fungi *Wallemia* spp. *Fungal Biol.,* **117(7-8),** 2013, 466-478, ISSN 1878-6146 **(354)**

1109. Jain RM, Mody K, Joshi N, Mishra A, Jha B. Effect of unconventional carbon sources on biosurfactant production and its application in bioremediation. *Int. J. Biol. Macromol.,* **62**, 2013, 52-58, ISSN 0141-8130 **(354)**

1110. Koyama A, Wallenstein MD, Simpson RT, Moore JC. Carbon-Degrading Enzyme Activities Stimulated by Increased Nutrient Availability in Arctic Tundra Soils. *PLoS ONE,* **8(10),** 2013, art. no. e77212, ISSN 1932-6203 **(354)**

1111. Vijayendra SVN, Shamala TR. Film forming microbial biopolymers for commercial applications—A review. *Crit. Rev. Biotechnol*., 2013, in press, DOI:10.3109/07388551.2013.798254, ISSN 0738-8551 **(354)**

1112. Dapkevicius MLNE. Cave Biofilms and Their Potential for Novel Antibiotic Discovery. Cave Microbiomes: A Novel Resource for Drug Discovery. Editor Cheeptham N, SpringerBriefs in Microbiology, **1**, 2013, 35-45, ISBN 978-1-4614-5205-8 **(354)**

1113. Varin T. Métagénomique des tapis microbiens polaires. PhD Thesis, 2013, Départment de medecine moléculaire, Faculté de médecine, Université Laval, Québec **(354)**

1114. Celinska E, Grajek W. A novel multigene expression construct for modification of glycerol metabolism in *Yarrowia lipolytica*, *Microbial Cell Factories*, 12**,** 2013, doi:10.1186/1475-2859-12-102, ISSN 1475-2859 **(355)**

1115. Huang, CF, Jiang YF, Guo GL, Hwang WS. Method of 2,3-butanediol production from glycerol and acid-pretreated rice straw hydrolysate by newly isolated strains: pre-evaluation as an integrated biorefinery process. *Bioresource Technology*, **135,** 2013, 446-453, ISSN 0960-8524 **(355)**

1116. Ilieva B, Naydenova G, Yankova S, Beschkov V. Biotransformation of glycerol by Pseudomonas Denitrificans 1625 and Klebsiella Oxytoca VA 8391. *Journal of International Scientific Publications: Ecology and Safety*, **7(1),** 2013, 73-82, ISSN 1313-2563 **(355)**

1117. Shrivastav A, Jinwon Lee J, Kim HY, Kim YR. Recent insights in the removal of *Klebsiella* pathogenicity factors for the industrial production of 2,3-butanediol, *Journal of Microbiology and Biotechnology*, **23(7),** 2013, 885-896, ISSN 1017-7825 **(355)**

1118. Wilujeng AAT, Wikandari PR. The effect of fermentation time of Arabica coffee (*Coffea arabica*) with *Lactobacillus plantarum* B1765 lactic acid bacteria to the product qualities. *UNESA Journal of Chemistry*, **2(3),** 2013, 1-10, ISSN 2252-8180 **(355)**

1119. Wong CL, Yen HW, Lin CL, Chang JS. Effects of pH and fermentation strategies on 2,3-butanediol production with an isolated *Klebsiella* sp. Zmd30 strain. *Bioresource Technology*, **152**, 2014, 169-176, ISSN 0960-8524 **(355)**

1120. Yang TW, Rao ZM, Zhang X, Xu MJ, Xu ZH, Yang ST. Fermentation of biodiesel-derived glycerol by *Bacillus amyloliquefaciens*: effects of co-substrates on 2,3-butanediol production. *Applied Microbiology and Biotechnology*, **97(17),** 2013, 7651-7658, ISSN 0175-7598 **(355)**

1121. Yang T, Rao Z, Zhang X, Xu M, Xu Z. Effects of pH and oxygen supply on production of 2,3-butanediol from biodiesel-derived glycerol by *Bacillus*

amyloliquefaciens. *Chinese Journal of Biotechnology*, **29(12),** 2013, 1860−1864, ISSN 1879-0003 **(355)**

1122. Wolińska A, Stępniewska Z, Kuźniar A. Characterization of microbial community in the selected Polish mineral soils after long term storage. *Afrcan Journal of Microbiology Research,* **7(7),** 2013, 595-603, ISSN 1996-0808 **(356)**

1123. Sen R, Maiti NK. Genomic and functional diversity of bacteria isolated from hot springs in Odisha, India. *Geomicrobiology Journal*, 2013, DOI: 10.1080/01490451.2013.850560, ISSN 0149-0451 **(356)**

1124. López-López O, Cerdán ME, González-Siso MI. Hot Spring Metagenomics. *Life,* **(3)2,** 2013, 308-320, ISSN 2075-1729 **(357)**

1125. Kollerov VV, Monti D, Deshcherevskaya NO, Lobastova TG, Ferrandi EE, Larovere A, Gulevskaya SA, Donova MV, Hydroxylation of lithocholic acid by selected actinobacteria and filamentous fungi. *Steroids,* **78**, 2013, 370-378, ISSN 0039-128X **(358)**

1126. Chandankere R, Jun Y, Choi MMF, Masakorala K, Chan Y, An efficient biosurfactant-producing and crude-oil emulsifying bacterium *Bacillus methylotrophicus* USTBa isolated from petroleum reservoir. *Biochemical Engineering Journal*, **74**, 2013, 46-53, ISSN 1369-703X **(359)**

1127. Pirog T, Sofilkanych A, Shevchuk T, Biosurfactants of Rhodococcus erythropolis IMV Ac-5017: Synthesis Intensification and Practical Application. *Applyed Biochemistry and Biotechnology*, **170**, 2013, 880-894, ISSN 0273-2289 **(359)**

1128. Sachdev DP, Cameotra SS. Biosurfactants in agriculture. *Applyed Microbiology and Biotechnology*, **97**, 2013, 1005-1016, ISSN 0175-7598 **(359)**

1129. Tarkowski P, Vereecke D, Threats and opportunities of plant pathogenic bacteria. *Biotechnology Advances*, 2013, doi: 10.1016/j.biotechadv.2013.11.001, ISSN 0734-9750 **(359)**

1130. Duan X, Liu LL, Ren GY, Zhu WX, Microwave Freeze Drying of Type I Collagen from Bovine Bone. *Drying Technology*, **31**, 2013, 1701-1706, ISSN 0737-3937 **(360)**

1131. Dulf FV, Oroian I., 1, Vodnar DC., Socaciu C. and Pintea A. Lipid Classes and Fatty Acid Regiodistribution in Triacylglycerols of Seed Oils of Two *Sambucus* Species (*S. nigra* L. and *S. ebulus* L.). *Molecules*, **18,** 2013, 11768-11782, ISSN 1420-3049 **(361)**

1132. Ma Y, Mao D, Geng L, Wang Z, Xu C. Production, fractionation, characterization of extracellular polysaccharide from a newly isolated< i> Trametes gibbosa</i> and its hypoglycemic activity. *Carbohydrate polymers*, **96,** 2013, 460-465, Elsevier ISSN 0144-8617 (362)

1133. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar KS, Pandey A. 2013. Studies on structural and physical characteristics of a novel exopolysaccharide from *Pseudozyma* sp. NII 08165. *International Journal of Biological Macromolecules* **59,** 2013, 84-89, ISSN 0141-8130 **(362)**

1134. Takos A.M., Rook F. Towards a molecular understanding of the biosynthesis of Amaryllidaceae alkaloids in support of their expanding medical use. *International Journal of Molecular Sciences*, **14(6),** 2013, 11713-11741, ISSN 1422-0067 **(363)**

1135. Singh M., Chaturvedi R. Sustainable production of azadirachtin from differentiated in vitro cell lines of neem (*Azadirachta indica*). *AoB Plants*, 5, 2013, plt034, ISSN 2041-2851 **(363)**

1136. Charles D.J. Sources of natural antioxidants and their activities. In: Antioxidant Properties of Spices, Herbs and Other Sources, (Charles, D.J. ed.). *Springer New York*, 2013, 65-138, **ISBN** 978-1-4614-4309-4 **(364)**

1137. Vulić J.J., Ćebović T.N., Čanadanović V.M., Ćetković G.S., Djilas S.M., Čanadanović-Brunet J.M., Velićanski A.S., Cvetković D.D., Tumbas V.T. Antiradical, antimicrobial and cytotoxic activities of commercial beetroot pomace. *Food & function*. **4,** 2013, 713-721, ISSN 2042-6496 **(364)**

1138. Lidder S., Webb A.J. Vascular effects of nitrate (as found in green leafy vegetables & beetroot) via the nitrate-nitrite-nitric oxide pathway. *British Journal of Clinical Pharmacology*, **75(3),** 2013, 677-696, ISSN 1365-2125 **(364)**

1139. Babarikins D., Krūmiņa G., Paegle I., Amerika D., Krūmiņa Z., Vanags D., Tihomirova T. Allogeneic bone marrow multipotent mesenchymal stromal cells and polytrauma repair: The role of fractionated on the basis of molecular mass red beetroot juice in the prevention of transplanted cells side effects in rats. *Proceedings of the Latvian Academy of Sciences. Section B. Natural, Exact, and Applied Sciences*, **67(1),** 2013, 52-60, ISSN 1407-009X **(364)**

1140. Das S., Williams D.S., Das A., Kukreja R.C. Beet root juice promotes apoptosis in oncogenic MDA-MB-231 cells while protecting cardiomyocytes under doxorubicin treatment. *The Journal of Experimentary Secondary Science*, 2013, 1-6, ISSN 2162-8092 **(364)**

1141. Kastell A., Smetanska I., Schreiner M., Mewis I. Hairy roots, callus, and mature plants of *Arabidopsis thaliana* exhibit distinct glucosinolate and gene expression profiles. *Plant Cell, Tissue and Organ Culture*, **115,** 2013, 45-54, ISSN 0167-6857 **(364)**

1142. Hunaefi D., Smetanska I. The effect of tea fermentation on rosmarinic acid and antioxidant properties using selected in vitro sprout culture of *Orthosiphon aristatus* as a model study. *SpringerPlus*, **2(1),** 2013, 1-14, ISSN 2193-1801 **(364)**

1143. Ninfali P., Angelino D. Nutritional and functional potential of *Beta vulgaris cicla* and *rubra*. *Fitoterapia*, **89,** 2013, 188-199, ISSN 0367-326X **(364)**

1144. Siervo M., Lara J., Ogbonmwan I., Mathers J.C. Inorganic nitrate and beetroot juice supplementation reduces blood pressure in adults: A systematic review and meta-analysis. *The Journal of Nutrition*, **143(6),** 2013, 818-826, ISSN 0022-3166 **(364)**

1145. Janiszewska E., Włodarczyk J. Influence of spray drying conditions on beetroot pigments retention after microencapsulation process. *Acta Agrophysica*, **20(2),** 2013, 343-356, ISSN 1234-4125 **(364)**

1146. Xu S., Guerra D., Lee U., Vierling E. S-nitrosoglutathione reductases are low-copy number, cysteine-rich proteins in plants that control multiple developmental and

defense responses in Arabidopsis. *Frontiers in plant science*, **4,** 2013, 430, ISSN 1664-462X **(364)**

1147. Vulić J.J., Ćebović T.N., Čanadanović-Brunet J.M., Ćetković G.S., Čanadanović V.M., Djilas S.M., Tumbas Šaponjac V.T. In vivo and in vitro antioxidant effects of beetroot pomace extracts. *Journal of Functional Foods*, 2013, DOI: 10.1016/j.jff.2013.10.003, ISSN 1756-4646 **(364)**

1148. García-Cruz L., Valle-Guadarrama S., Salinas-Moreno Y., Joaquín-Cruz E. Physical, chemical, and antioxidant activity characterization of Pitaya (*Stenocereus pruinosus*) fruits. *Plant Foods for Human Nutrition*, 68, 2013, 403-410, ISSN: 0921-9668 **(364)**

1149. Amnah M.A. Nutritional, sensory and biological study of biscuits fortified with red beet roots. *Life Science Journal*, 10(3), 2013, 1579-1584, ISSN: 1097-8135 **(364)**

1150. Ravichandran K., Saw N.M.M.T., Mohdaly A.A.A., Gabr A.M.M., Kastell A., Riedel H., Cai Z.Z., Knorr D., Smetanska I. Impact of processing of red beet on betalain content and antioxidant activity. *Food Research International*, **50(2),** 2013, 670-675, ISSN 0963-9969 **(364)**

1151. Sharma P., Padh H., Shrivastava N. Hairy root cultures: A suitable biological system for studying secondary metabolic pathways in plants. *Engineering in Life Sciences*, 13(1), 2013, 62-75, ISSN: 1618-2863. **(365).**

1152. Gonçalves S., Romano A. In vitro culture of lavenders (*Lavandula* spp.) and the production of secondary metabolites. *Biotechnology Advances*, **31(2)**, 2013, 166-174, ISSN 0734-9750 **(366)**

1153. Malik S., Hossein Mirjalili M., Fett-Neto A. G., Mazzafera P., Bonfill M. Living between two worlds: two-phase culture systems for producing plant secondary metabolites. *Critical Reviews in Biotechnology*, **33(1),** 2013, 1-22, ISSN 0738-8551. **(366)**

1154. Montella, R., Coпsson, J.D., Travaglia, F., Locatelli, M., Bordiga, M., Meyrand, M., Barile, D., Arlorio, M. Identification and Characterization of Water and Alkali Soluble Oligosaccharides from Hazelnut Skin (Corylus avellana L.). *Food Chem.,* **140**, 2013, 717–725, ISSN 0308-8146 **(367)**

1155. Slavov A., Kyiohara, H., Yamada, H. Immunomodulating pectic polysaccahrides from waste rose petals of *Rosa damascena* Mill. *Int. J. Biol. Macromol.,* 2013, http://dx.doi.org/10.1016/j.ijbiomac.2013.04.054, ISSN 0141-8130 **(367)**

1156. Lee JS, Synytsya, A., Kim, HB., Choi, DJ., Lee, S., Lee, J., Kim, WJ., Jang, S., Park, Y. Purification, characterization and immunomodulating activity of a pectic polysaccharide isolated from Korean mulberry fruit Oddi (*Morus alba* L.). *Int. Immunopharmacol.* **17**, 2013, 3, 858-866, ISSN 1567-5769 **(367)**

1157. Hussein S.Z., Mohd Yusoff K., Makpol S., Mohd Yusof Y.A. Gelam Honey Attenuates Carrageenan-Induced Rat Paw Inflammation via NF-κB Pathway. *PLoS ONE*, 8, 2013, ISSN 1932-6203 **(368)**

1158. Pirbalouti A.G., Mohammadi M. Phytochemical composition of the essential oil of different populations of Stachys lavandulifolia Vahl. *Asian Pacific Journal of Tropical Biomedicine*, 3, 2013, 123-128, ISSN 2221-1691 **(368)**

1159. Street R.A., Prinsloo G. Commercially important medicinal plants of South Africa: A review. *Journal of Chemistry* 2013, ISSN 2090-9063 **(368)**

1160. Habtemariam S. Targeting the production of monocytes/macrophages-derived cytokines by anti-inflammatory herbal drugs. *Phytopharmacology,* **4,** 2013, 131-148 ISSN 2046-1194 **(368)**

1161. Carrillo-Ocampo D., Bazaldúa-Gómez S., Bonilla-Barbosa J.R., Aburto-Amar R., Rodríguez-López V. Anti-inflammatory activity of iridoids and verbascoside isolated from Castilleja tenuiflora. *Molecules*, **18,** 2013, 12109-12118, ISSN 1420-3049 **(368)**

1162. Street, R.A. , Prinsloo, G.Commercially important medicinal plants of South Africa: A review**.** Journal of Chemistry 2013, Article ID 20504, ISSN 09734945 **(368)**

1163. Saeed A., Arif M., Irfan M., Bolte M. A two-component protocol for synthesis of 3-(2-(substituted phenylamino)thiazol-4-yl)-2H-chromen-2-ones. *Turkish Journal of Chemistry*, **37**, 2013, 383-393, ISSN 1300-0527 **(369)**

1164. Azmi A.S., Mohammad R.M. Providing activation-induced cytidine deaminase (AID) to nuclear export inhibitors. Response to: "Complex downstream effects of nuclear export inhibition in B-cell lymphomas: A possible role for activation-induced cytidine deaminase". *Haematologica* 2013, 98, ISSN 0390-6078 **(370)**

1165. Hudak J.E. Bertozzi C.R. Glycotherapy: New advances inspire a reemergence of glycans in medicine. *Chem Biol*, 2013, ISSN 1074-5521 **(371)**

1166. Silva J.M., Videira M., Gaspar R., Preat V., Florindo H.F. Immune system targeting by biodegradable nanoparticles for cancer vaccines. *Journal of controlled release : official journal of the Controlled Release Society,* 168, 2013, 179, ISSN 0168-3659 **(371)**

1167. *Pohanka, M.* HI-6 modulates immunization efficacy in a BALB/c mouse model. Environmental Toxicology and Pharmacology **36(3),** 2013, 801-806, ISSN 1382-6689 **(372)**

1168. Katzman, P.J., Oble, D.A. Eosinophilic/T-cell chorionic vasculitis and chronic villitis involve regulatory t cells and often occur together. *Pediatric and Developmental Pathology* 16(4), 2013, 278-91, ISSN 1093-5266 **(372)**

1169. Robertson, S.A. , Prins, J.R., Sharkey, D.J., Moldenhauer, L.M. Seminal Fluid and the Generation of Regulatory T Cells for Embryo Implantation (Review)**.** *American Journal of Reproductive Immunology* **69(4),** 2013, 315-330, ISSN 1600-0897 **(373)**

1170. Gomez-Lopez, N. ,Vega-Sanchez, R., Castillo-Castrejon, M., Romero, R., Cubeiro-Arreola, K., Vadillo-Ortega, F. Evidence for a Role for the Adaptive Immune Response in Human Term Parturition. *American Journal of Reproductive Immunology* **69(3),** 2013, 212-230, ISSN 1600-0897 **(373)**

1171. Erlebacher, A. Mechanisms of T cell tolerance towards the allogeneic etus (Review). *Nature Reviews Immunology* **13,** 2013, 23-33, ISSN 1474-1741 **(373)**

1172. Li J., Y. Lui. Interleukin 7 (IL-7) in a mouse model of recurrent unexplained miscarriage outer periphery of the cell and pregnancy outcome Th17/Treg. *Journal of Anhui Medical University* 2013, PhD Thesis, ISSN 1000-2162 **(373)**

1173. Svensson-Arvelund J., Ernerudh J., Buse E., Cline J.M., Haeger J-D., Dixon D., Markert U., Pfarrer C., De Vos P., Faas M.M. The Placenta in Toxicology. Part II: Systemic and Local Immune Adaptations in Pregnancy. *Toxicologic Pathology*, doi:10.1177/01926233134822 05, ISSN 0192-6233 (373)

1174. Prinz I., Silva-Santos B., Pennington D. Functional development of γδ T cells. *European Journal of Immunology* **43**, 2013, 1988–1994, ISSN 0014-2980 **(374)**

1175. Guilmot A., Carlier Y., C. Truyens. Differential IFN-γ production by adult and neonatal blood CD56+natural killer (NK) and NK-like-T cells in response to Trypanosoma cruzi and IL-15. *Parasite Immunology* **36(1)**, 2013, 43-52, ISSN 0141-9838 **(374)**

1176. Kisielow J. and M. Kopf. The origin and fate of gdT cell subsets. *Current Opinion in Immunology* **25**, 2013,181–188, ISSN 0952-7915 **(374)**

1177. Cairo C., Sagnia B., Cappelli G., Colizzi V., Leke R.G.F., Leke R.J., David Pauza D. Human cord blood γδ T cells expressing public Vγ2 chains dominate the response to bisphosphonate plus interleukin-15. *Immunology* **138(4)**, 2013**,** 346-360, ISSN 1365-2567 **(374)**

1178. Sahlan M., Supardi T. Encapsulation of indonesian propolis by Casein micelle. *International Journal of Pharma and Bio Sciences*, **1,4,** 2013, 297-305, ISSN 0975-6299 **(375)**

1179. De Souza GG., Pfenning LH., De Moura F., Salgado M., Takahashi JA. Isolation, identification and antimicrobial activity of propolis-associated fungi. *Natural Product Research*, **18**, 27, 2013, 1705-1707, ISSN 1478-6419 **(375)**

1180. Muscat M. Use of Propolis chemical and Asian tiger mosquito bites Case report and review. *Malta Medical Journal*, **1, 25,** 2013, 58-61, ISSN 1813-3339 **(375)**

1181. Yuan J., Lu Y., Abula S., Hu Y., Liu J., Fan Y., Zhao X., (...), Liu C. Optimization on preparation condition of propolis flavonoids liposome by response surface methodology and research of its immunoenhancement activity. *Evidence-based Complementary and Alternative Medicine*, art. no. 505703, 2013, ISSN 1741-427X **(375)**

1182. Toreti VC., Sato HH., Pastore GM., Park YK. Recent progress of propolis for its biological and chemical compositions and its botanical origin. *Evidence-based Complementary and Alternative Medicine*, art. no. 697390, 2013, ISSN 1741-427X **(375)**

1183. De Groot AC. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects. *Dermatitis*, **6, 24,** 2013, 263-282, ISSN 1710-3568 **(375)**

1184. Fan Y., Ma L., Zhang W., Xu Y., Suolangzhaxi Zhi X., Cui E., Song X. Microemulsion can improve the immune-enhancing activity of propolis flavonoid on immunosuppression and immune response. *International Journal of Biological Macromolecules*, **63**, 2014, 126-132, ISSN 0141-8130 **(375)**

1185. Benedec D., Vlase L., Oniga I., Mot AC., Damian G., Hanganu D., Duma M. Polyphenolic Silaghi-Dumitrescu R. composition, antioxidant and antibacterial activities for two Romanian subspecies of *Achillea distans Waldst. et Kit. ex Willd*. *Molecules*, **8, 18,** 2013, 8725-8739, ISSN 1420-3049 **(376)**

1186. Jemia MB., Rouis Z., Maggio A., Venditti A., Bruno M., Senatore F. Chemical composition and free radical scavenging activity of the essential oil of achillea ligustica growing wild in lipari (aeolian islands, sicily). *Natural Product Communications*, **11, 8**, 2013, 1629-1632, ISSN 1934-578X **(376)**

1187. Siripatrawan U., Vitchayakitti W., Sanguandeekul R. Antioxidant and antimicrobial properties of Thai propolis extracted using ethanol aqueous solution. *International Journal of Food Science and Technology*, **1, 48,** 2013, 22-27, ISSN 0950-5423 **(377)**

1188. Cheng H., Qin ZH., Guo XF., Hu XS., Wu JH. Geographical origin identification of propolis using GC-MS and electronic nose combined with principal component analysis. *Food Research International*, **2, 51,** 2013, 813-822, ISSN 0963-9969 **(377)**

1189. Righi AA., Negri G., Salatino A. Comparative chemistry of propolis from eight brazilian localities. *Evidence-based Complementary and Alternative Medicine*, 2013, art. no. 267878, ISSN 1741-427X **(377)**

1190. Falcão SI., Vale N., Gomes P., Domingues MRM., Freire C., Cardoso SM., Vilas-Boas M. Phenolic profiling of Portuguese propolis by LC-MS spectrometry: Uncommon propolis rich in flavonoid glycosides. *Phytochemical Analysis*, **4, 24,** 2013, 309-318, ISSN 0958-0344 **(377)**

1191. Zammit EJ., Theuma KB., Darmanin S., Muraglia M., Camilleri-Podesta MT., Buhagiar JA., Calleja-Agius J., (...), Schembri-Wismayer P. Totarol content and cytotoxicity varies significantly in different types of propolis. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, **3, 4**, 2013, 1047-1058, ISSN 0975-8585 **(377)**

1192. Miguel MG. Chemical and biological properties of propolis from the western countries of the Mediterranean basin and Portugal. *International Journal of Pharmacy and Pharmaceutical Sciences*, **3, 5,** 2013, 403-409, ISSN 0975-1491 **(377)**

1193. Costa Da Silva EC., Muniz MP., De Cássia Saraiva Nunomura R., Nunomura SM., Zilse GAC. Constituintes fenó:licos e atividade antioxidante da geopró:Polis de duas espé:cies de abelhas sem ferrão amazônicas | [Phenolic constituents and antioxidant activity of geopropolis from two species of amazonian stingless bees]. *Quimica Nova*, **5, 36**, 2013, 628-633, ISSN 0100-4042 **(377)**

1194. Netíková L., Bogusch P., Heneberg P. Czech ethanol-free propolis extract displays inhibitory activity against a broad spectrum of bacterial and fungal pathogens. *Journal of Food Science*, **9, 78**, 2013, M1421-M1429, ISSN 0022-1147 **(377)**

1195. De Groot AC. Propolis: A review of properties, applications, chemical composition, contact allergy, and other adverse effects. *Dermatitis*, **6, 24**, 2013, 263-282, ISSN 1710-3568 **(377)**

1196. Radulović NS., Zlatković DB., Randjelović PJ., Stojanović NM., Novaković SB., Akhlaghi H. Chemistry of spices: Bornyl 4-methoxybenzoate from *Ferula ovina*

(Boiss.) Boiss. (Apiaceae) induces hyperalgesia in mice. *Food and Function*, **12, 4**, 2013, 1751-1758, ISSN 2042-6496 **(377)**

1197. Darwish, W., Turky, G. Dielectric response in the first silicon phthalocyanine network polymer. *J. Inorg. Organomet. Polym*., (2013) doi: 10.1007/s10904-013-9962-2, ISSN 1574-1443 **(378)**

1198. Di Palma, M. A., Alvarez, M. G., Ochoa, A. L., Milanesio, M. E., Durantini, E. N. Optimization of cellular uptake of zinc(II) 2,9,16,23-tetrakis [4-(N-methylpyridyloxy)] phthalocyanine for maximal photoinactivation of *Candida albicans*. *Fungal Biol.,* 117, 2013, 11-12, 744-751, ISSN 0953-7562 **(378)**

1199. De Melo, C. M. A. W., Avcil, P., de Oliveira, M. N., Gupta, A., Vecchio, D., Sadasivam, M., Chandran, R., Huang, Y.-Y., Yin, R., Perussi, L. R., Tegos, G. P., Perussi, J. R., Dai, T. Hamblin, M. R. Photodynamic inactivation of biofilm: Taking a lightly colored approach to stubborn infection. *Expert Rev. Anti-infect Therapy,* **11,** 2013, 7, 669-693, ISSN 1478-7210 **(378)**

1200. Taraszkiewicz, A., Grinholc, M., Bielawski, K. R., Kawiak A., Nakonieczna, *J.* Imidazoacridinone derivatives as efficient sensitizers in photoantimicrobial chemotherapy. *Appl. Environ. Microbiol*., **79***,* 2013, 12, 3692-3702, ISSN 0099-2240 **(378)**

1201. Bai, M., Song, R., Zhang, Y., Han, S., Song, X., Meng, F. Trimellitic anhydride- and pyromellitic dianhydride-originated tetrakis/octakis (octyloxycarbonyl) phthalocyaninato metal complexes *Inorg. Chem. Comm.,* **28***,* 2013, 99-103, ISSN 1387-7003 **(378)**

1202. Ribeiro, A.P.D., Andrade, M.C., Da Silva, J.F., Jorge, J.H., Primo, F.L., Tedesco, A.C., Pavarina, A.C. Photodynamic inactivation of planktonic cultures and biofilms of Candida albicans mediated by aluminum-chloride-phthalocyanine entrapped in nanoemulsions *Photochem. Photobiol*., **89,** 2013, 1, 111-119, ISSN 1751-1097 **(378)**

1203. Topal, S.Z., Atilla, D., Ertekin, K., Tommasino, J.B., Luneau, D., Gürek, A.G. Investigation of optical and electrochemical properties as well as metal ion sensitivities of different number of crown ether appended phthalocya.,**17,** 2013, 8-9, 682-690, ISSN 1088-4246 **(378)**

1204. Abramczyk H., Brozek-Pluska B., Tondusson M., Freysz E. Ultrafast dynamics of metal complexes of tetrasulphonated phthalocyanines at biological interfaces: comparison between photochemistry in solutions, films, noncancerous and cancerous human breast tissues. *J. Phys. Chem. C*, **117**, 2013, 10, 4999-5013, ISSN 1932-7447 **(379)**

1205. Li, X., Guo, H., Tian, Q., Zheng, G., Hu, Y., Fu, Y., Tan, H. Effects of 5-aminolevulinic acidemediated photodynamic therapy on antibiotic-resistant staphylococcal biofilm: an in vitro study. *J. Surg. Res.*, **184,** 2013**,** 1013-1021, ISSN 0022-4804 **(379)**

1206. Taraszkiewicz, A., Grinholc, M., Bielawski, K. R., Kawiak A., Nakonieczna, J. Imidazoacridinone derivatives as efficient sensitizers in photoantimicrobial chemotherapy *Appl. Environ. Microbiol*., **79,** 2013, 12, 3692-3702, ISSN 0099-2240 **(379)**

1207. Ribeiro, APD., Andrade, MC., Da Silva, J F., Jorge, GH., Primo, FL., Tedesco, AC., Pavarina, AC. Photodynamic inactivation of planktonic cultures and biofilms of Candida albicans mediated by aluminum-chloride-phthalocyanine entrapped in nanoemulsions. *Photochem. Photobiol.,* **89,** 2013, 1, 111-119, ISSN 0031-8655 **(379)**

1208. Ribeiro APD., Andrade, MC., Bagnato, VS., Vergani, CE., Primo, FL., Tedesco, AC., Pavarina, AC. Antimicrobial photodynamic therapy against pathogenic bacterial suspensions and biofilms using chloro-aluminum phthalocyanine encapsulated in nanoemulsions. *Laser Med Sci*, 2013, DOI 10.1007/s10103-013-1354-x, ISSN 0268-8921 **(379)**

1209. Ribeiro, J.N., Endringer, D.C., Pereira, M.G., Ribeiro, A.V.F.N. Evaluation of in vitro activity of magnesium protoporphyrin ix for use in photodynamic therapy. *Lat. Am. J. Pharm.,* **32,** 2013, 4, 531-536, ISSN 0326-2383 **(379)**

1210. Vatansever, F., De Melo, W., Avci, P., Vecchio, D., Sadasivam, M., Gupta, A., Chandran, R., Karimi, M., Parizotto, N., Yin, R., Tegos, G., Hamblin, M. R. Antimicrobial strategies centered around reactive oxygen species - bactericidal antibiotics, photodynamic therapy and beyond. *FEMS Microbiol. Rev.*, **37,** 2013, 6, 955-989, ISSN 0168-6445 **(379)**

1211. Dovigo, L. N., Carmello, J. C., Carvalho, M. T., Mima, E. G., Vergani, C. E., Bagnato, V. S., Pavarina, A. C. Photodynamic inactivation of clinical isolates of *Candida* using Photodithazine®. *Biofouling*, **29,** 2013, 9, 1057-1067, ISSN 0892-7014 **(379)**

1212. Yin, R., Dai, T., Avci, P., Jorge, A. E. S., De Melo, V. C. M. A., Vecchio, D., Huang, Y.-Y., Gupta, A., Hamblin, M. R. Light based anti-infectives: ultraviolet C irradiation, photodynamic therapy, blue light, and beyond. *Curr Opin Pharmacol.,* **13,** 2013, 731-762, ISSN 1471-4892 **(379)**

1213. Zhang X-F., Shao,X., Tian, H., Sun, X., Han, K. Synthesis, fluorescence, excited triplet state properties and singlet oxygen generation of para-(tert-butylphenoxy) substituted phthalocyanines containing group IV A central elements. *Dyes Pigments,* **99**, 2013, 480-488, ISSN 0143-7208 **(379)**

1214. Abramczyk H., Brozek-Pluska B., Tondusson M., Freysz E. Ultrafast dynamics of metal complexes of tetrasulphonated phthalocyanines at biological interfaces: comparison between photochemistry in solutions, films, noncancerous and cancerous human breast tissues. *J. Phys. Chem. C*, **117,** 2013, 10, 4999-5013, ISSN 1932-7447 **(380)**

1215. Elsedawy NB, Russell SJ. Oncolytic vaccines. *Expert Review of Vaccines*, 12, 2013, 1155-1172, DOI: 10.1586/14760584.2013.836912, ISSN 1476-0584 **(381)**

1216. Sieben M, Schaefer P., Dinsart C, Galle PR, Moehler M. Activation of the human immune system via toll-like receptors by the oncolytic parvovirus H-1. *International Journal of Cancer*, **132,** 2013, 2548-2556, ISSN 0020-7136 **(381)**

1217. Tada Y, Shimada H, Hiroshima K., Tagawa M. A potential therapeutic strategy for malignant mesothelioma with gene medicine. *BioMed Research International*, art. no. 572609, 2013 **(381)**

1218. Xu C, Li H, Su C, Li Z. Viral therapy for pancreatic cancer: Tackle the bad guys with poison. *Cancer Letters*, **333 (1),** 2013, 1-8, ISSN 0304-3835 **(381)**

1219. Tan WC, Jaganath IB, Manikam R, Sekaran SD. Evaluation of antiviral activities of four local malaysian phyllanthus species against herpes simplex viruses and possible antiviral target. *Int. J. Med. Sci.,* **10**, 2013, 1817-1829, ISSN 1449-1907, **(382)**

1220. Zhong M.-G, Xiang Y.-F, Qiu X.-X, Liu Z, Kitazato K, Wang Y.-F. Natural products as a source of anti-herpes simplex virus agents. *RSC Advances*, **3**, 2013, 313-328. ISSN 2046-2069, **(382)**

1221. Dutcher B., Fan M., Cui S., Shen X.-D., Kong Y., Russell A.G., McCurdy P., Giotto M. Characterization and stability of a new, high-capacity amine-functionalized CO_2 sorbent. *Int. J. Greenhouse Gas Control* **18,** 2013, 51-56, ISSN 1750-5836 **(383)**

1222. Rahmanzadeh Bahram H., Kianmehr M.H., Hassan-Beygi S.R., Valaei I. Influence of natural variation on flow behavior of wormy compost. *Int. J. Environ. Res.* **7**, 2013, 709-716, ISSN 1735-6865 **(384)**

1223. Amirabedin E, McIlveen-Wright D. A feasibility study of co-firing biomass in the Thermal Power Plant at Soma in order to reduce emissions: an exergy approach. *Int. J. Environ. Res.* **7**, 2013, 139-154, ISSN 1735-6865 **(384)**

1224. Lasekan A., Abu Bakar F., Hashim D. Potential of chicken by-products as sources of useful biological resources. *Waste Management* 33, 2013, 552-565, ISSN 0956-053X **(384).**

1225. Ni K., Wang H., Zhao L., Zhang M., Zhang S., Ren Y., Wei D. Efficient production of (R)-(-)-mandelic acid in biphasic system by immobilized recombinant *E. coli*. *J. Biotechnol.* **167(4),** 2013, 433-440, ISSN 0168-1656 **(385)**

1226. Schöffer JN. Immobilization of cyclodextrin glycosyltransferase for the production of cyclodextrins: catalysis in batch and continuous catalysis in fixed bed reactor. 2013, Dissertation (Master level), Universidade Federal do Rio Grande do Sul. Instituto de Ciências e Tecnologia de Alimentos. Programa de Pós-Graduação em Ciência e Tecnologia de Alimentos **(386)**

1227. Ibrahim ASS, Al-Salamah AA, El-Toni AM, El-Tayeb MA, Elbadawi YB. Immobilization of cyclodextrin glucanotransferase on aminopropyl-functionalized silica-coated superparamagnetic nanoparticles. *Electron. J. Biotechnol.,* **16(6),** 2013, doi: 10.2225/vol16-issue6-fulltext-8, ISSN 0717-3458 **(387)**

1228. Blanco KC, Dos Santos FJ, Bernardi NS, Júnior MJ, Monti R, Contiero J. Reuse of Cyclodextrin Glycosyltransferase through Immobilization on Magnetic Carriers. *Enz*. *Eng*., **2(2),** 2013, doi:10.4172/eeg.1000111, ISSN 2329-6674 **(387)**

1229. Lee Y-S, Zhou Y, Park D-J, Chang J, Choi Y-L. β-cyclodextrin production by the cyclodextrin glucanotransferase from *Paenibacillus illinoisensis* ZY-08: Cloning, purification, and properties. *World J. Microbiol. Biotechnol*., **29(5),** 2013, 865-873, ISSN 0959-3993 **(387)**

1230. Ibrahim ASS, Al-Sharawi SZR, El-Shatoury EH, Gebreel HM, Eldiwany A. A new low molecular mass alkaline cyclodextrin glucanotransferase from *Amphibacillus*

sp. NRC-WN isolated from an Egyptian soda lake. *Electron. J. Biotechnol.,* **16(6),** 2013, doi: 10.2225/vol16-issue6-fulltext-18, ISSN 0717-3458 **(387)**

1231. Nahar Q., Fleißner F., Shuster J., Morawitz M., Halfpap C., Stefan M., Langbein U., Southam G., Mittler S. Waveguide evanescent field scattering microscopy: bacterial biofilms and their sterilization response via UV irradiation. *J. Biophotonics* 2013, DOI: 10.1002/jbio.201300135, e-ISSN 1864-0648 **(388)**

1232. Bayer DM, Chagas-Spinelli ACO, Gavazza S, Florencio L, Kato MT, Natural Attenuation and Biosurfactant-Stimulated Bioremediation of Estuarine Sediments Contaminated with Diesel Oil. *Applyed Biochemistry and Biotechnology*, **171**, 2013, 173-188, ISSN 0273-2289 **(389)**

1233. Bharali P, Saikia JP, Ray A, Konwar BK. Rhamnolipid (RL) from Pseudomonas aeruginosa OBP1: A novel chemotaxis and antibacterial agent. *Colloid Surfaces B,* 103, 2013, 502-509, ISSN 0927-7765 **(389)**

1234. Gauthie VD, Inhibition du pathogène des salmonidés Saprolegnia parasitica par des bactéries aquatiques. Mémoire présenté à la Faculté de médecine en vue de l'obtention du grade de *Maître ès sciences (M.Sc.) en microbiologie et immunologie*, Université de Montréal, 2013, 1-178 **(389)**

1235. HoŠková M, Schreiberová O, JeŽdík R., Chudoba J, Masák J, Sigler K, Řezanka T, Characterization of rhamnolipids produced by non-pathogenic *Acinetobacter* and *Enterobacter* bacteria. *Bioresource Technology,* **130**, 2013, 510-516, ISSN 0960-8524 **(389)**

1236. Kaczorek E, Sałek K, Guzik U, Dudzińska-Bajorek B, Olszanowski A, The impact of long-term contact of *Achromobacter sp*. 4(2010) with diesel oil - Changes in biodegradation, surface properties and hexadecane monooxygenase activity. *International Biodeterioration and Biodegradation,* **78**, 2013, 7-16, ISSN 0964-8305 **(389)**

1237. Kaczorek E, Sałek K, Guzik U, Jesionowski T, Cybulski Z, Biodegradation of alkyl derivatives of aromatic hydrocarbons and cell surface properties of a strain of Pseudomonas stutzeri. *Chemosphere,* **90**, 2013, 471-478, ISSN 0045-6535 **(389)**

1238. Schrecke K, The LiaFSR three-component System of Bacillus subtilis: mechanism of stimulus perception and signal transduction. Dissertation, LMU München: Faculty of Biology, 2013, 1-110 **(389)**

1239. Viisimaa M, Karpenko O, Novikov V, Trapido M, Goi A. Influence of biosurfactant on combined chemical–biological treatment of PCB-contaminated soil. *Chemical Engineering Journal*, 220, 2013, 352–359, ISSN 1385-8947 **(389)**

1240. Natala AJ, Balogun EO, Balogun JAB, Inuwa HM, Nok AJ, Shiba T, Harada S, Kita K, Agbede RI, Esievo KP. Identification and Characterization of Sialidase-like Activity in the Developmental Stages of *Amblyomma variegatum*. *Journal of Medical Entomology*, **50**, 2013, 85-93, ISSN 0022-2585 **(390)**

1241. Čadež N, Dlauchy D, Raspor P. *Ogataea kolombanensis* sp. nov., *Ogataea histrianica* sp. nov. and *Ogataea deakii* sp. nov., three novel yeast species from plant sources. *International Journal of Systematic and Evolutionary Microbiology*, **63(8)**, 2013, 3115-23, ISSN 1466-5026 **(391)**

1242. Johnson EA. Biotechnology of non-Saccharomyces yeasts - the ascomycetes. *Applyed Microbiology and Biotechnology,* **97(17)**, 2013, 7563-7577, ISSN 0175-7598 **(391)**

1243. Limtong S, Kaewwichian R, Groenewald M. *Ogataea kanchanaburiensis* sp. nov. and *Ogataea wangdongensis* sp. nov., two novel methylotrophic yeast species from phylloplane in Thailand. *Antonie van Leeuwenhoek*, **3(3)**, 2013, 551-558, ISSN 0003-6072 **(391)**

1244. Kim MK, Seo WT, Lee YB, Cho KM. Analyses of archaeal communities in Doenjang and Ganjang using a culture-independent manner based on 16S rRNA sequences. *Food Science and Biotechnology,* **22(2),** 2013, 449-454, ISSN 1226-7708 **(392)**

1245. Sahm K, John P, Nacke H, Wemheuer B, Grote R, Daniel R, Antranikian G. High abundance of heterotrophic prokaryotes in hydrothermal springs of the Azores as revealed by a network of 16S rRNA gene-based methods. *Extremophiles,* **17(4),** 2013, 649-662, ISSN 1431-0651 **(392)**

1246. Sajna KV., Sukumaran RK., Gottumukkala LD., Jayamurthy H., Dhar, Pandey A. 2013. Studies on structural and physical characteristics of a novelexopolysaccharide from Pseudozyma sp. NII 08165 *International Journal of Biological Macromolecules* **59**, 2013, 84-89, ISSN 0141-8130 **(393)**

1247. Mahapatra S. and Banerjee D. Fungal Exopolysaccharide: Production, Composition and Applications. *Microbiology Insights* **6,** 2013, 1–16, ISSN 1178-6361 **(393)**

1248. Agostini E., Talano M.A., Gonzalez P.S., Wevar Oller A.L, Medina M.I. Application of hairy roots for phytoremediation: what makes them an interesting tool for this purpose? *Applied Microbiology and Biotechnology* 97, 2013, 1017-1030, ISSN 0175-7598 **(394)**

1249. Fattahi M., Nazeri V., Torras-Claveria L., Sefidkon F., Cusido R.M., Zamani Z., Palazon J. A new biotechnological source of rosmarinic acid and surface flavonoids: hairy root cultures of *Dracocephalum kotschyi* Boiss. *Industrial Crops and Products* 50, 2013, 256-263, ISSN 0926-6690 **(394)**

1250. Huang Y., Su C-Y., Kuo H-J., Chen Y-H., Huang P-L., Lee K-T. A comparison of strategies for multiple-gene co-transformation via hairy root induction. *Applied Microbiology and Biotechnology* **97**, 2013, 8537-8647, ISSN 0175-7598 **(394)**

1251. Albarello N., Simoes-Gurgel C., de Castro T.C., Gayer C.R.M., Coelho M.G.P., de Moura R.S., Mansur E. *Journal of Medicinal Plants Research* **7(16),** 2013, 1043-1049, ISSN 1996-0875 **(395)**

1252. Carrillo-Ocampo D., Bazaldua-Gomez S., Bonilla-Barbosa J.R., Aburto-Amar R., Rodriguez-Lopez V. Anti-inflammatory activity of iridoids and verbascoside isolated from *Castilleja tenuiflora*. *Molecules* **18**, 2013, 12109-12118, ISSN 1420-3049 **(395)**

1253. Bucar F., Wube A., Schmid M. Natural product isolation – how to get from biological material to pure compounds. *Natural Product Reports* **30,** 2013, 525-545, ISSN 0265-0568 **(396)**

1254. Cespedes C.L., Muñoz E., Salazar J.R., Yamaguchi L., Werner E., Alarcon J., Kubo I. Inhibition of cholinesterase activity by extracts, fractions and compounds from

Calceolaria talcana and *C. integrifolia* (Calceolariaceae: Scrophulariaceae). *Food and Chemical Toxicology* **62,** 2013, 919-926, ISSN 0278-6915 **(397)**

1255. Fale P.L., Ferreira C., Rodrigues A.M., Cleto P., Madeira P.J.A., Florencio M.H., Frazao F.N., Serralheiro M.L.M. Antioxidant and anti-acetylcholinesterase activity of commercially available medicinal infusions after *in vitro* gastrointestinal digestion. *Journal of Medicinal Plants Research* **7(29),** 2013, 1370-1378, ISSN 1996-0875 **(397)**

1256. Grigore A., Colceru-Mihul S., Litescu S., Panteli M., Rasit I. Correlation between polyphenol content and anti-inflammatory activity of *Verbascum phlomoides* (mullein). *Pharmaceutical Biology* **51(7)**, 2013, 925-929, ISSN 1388-0209 **(397)**

1257. Liu Y.L., He W.J., Mo L., Shi M.F., Zhu Y.Y., Pan S., Li X.R., Xu Q.M., Yang S.L. Antimicrobial, anti-inflammatory activities and toxicology of phenylethanoid glycosides from *Monochasma savatieri* Franch. ex Maxim. *Journal of Ethnopharmacology* **149(2),** 2013, 431-437, ISSN 0378-8741 **(397)**

1258. Munoz E., Lamilla C., Marin J.C., Alarcon J., Cespedes C.L. Antifeedant, insect growth regulatory and insecticidal effects of *Calceolaria talcana* (Calceolariaceae) on *Drosophila melanogaster* and *Spodoptera frugiperda*. *Industrial Crops and Products* **42**, 2013, 137-144, ISSN 0926-6690 **(397)**

1259. Quirantes-Piné R., Herranz-López M., Funes L., Borrás-Linares I., Micol V., Segura-Carretero A., Fernández-Gutiérrez A. Phenylpropanoids and their metabolites are the major compounds responsible for blood-cell protection against oxidative stress after administration of Lippia citriodora in rats. *Phytomedicine* 20(12), 2013, 1112-1118, ISSN 0944-7113 **(397)**

1260. Vogl S., Picker P., Mihaly-Bison J., Fakhrudin N., Atanasov A.G., Heiss E.H., Wawrosch C., Reznicek G., Dirsch V. M., Saukel J., Kopp B. Ethnopharmacological in vitro studies on Austria's folk medicine--an unexplored lore in vitro anti-inflammatory activities of 71 Austrian traditional herbal drugs. *Journal of Ethnopharmacology* **149(3),** 2013, 750-771, ISSN 0378-8741 **(397)**

1261. Yue H.L., Zhao X.H., Mei L.J., Shao Y. Separation and purification of five phenylpropanoid glycosides from Lamiophlomis rotata (Benth.) Kudo by a macroporous resin column combined with high-speed counter-current chromatography. *Journal of Separation Science* **36(18)**, 2013, 3123-3129, ISSN 1615-9314 **(397)**

1262. Ptak A., Simlat M., Kwiecień M., Laurain-Mattar D. *Leucojum aestivum* plants propagated in in vitro bioreactor culture and on solid media containing cytokinins. *Engineering in Life Sciences*, **13(3),** 2013, 261-270, ISSN 1618-2863 **(398)**

1263. Froestl W., Muhs A., Pfeifer A. Cognitive enhancers (nootropics). Part 2: Drugs interacting with enzymes. *Journal of Alzheimer's Disease*, 33(3), 2013, 547-658, ISSN 1387-2877 **(398)**

1264. Russo P., Frustaci A., Del Bufalo A., Fini M., Cesario A. From traditional European medicine to discovery of new drug candidates for the treatment of dementia and Alzheimers disease: Acetylcholinesterase inhibitors. *Current medicinal chemistry*, **20(8),** 2013, 976-983, ISSN 0929-8673 **(398)**

1265. Ptak A., El Tahchy A., Skrzypek E., Wójtowicz T., Laurain-Mattar D. Influence of auxins on somatic embryogenesis and alkaloid accumulation in *Leucojum aestivum* callus. *Central European Journal of Biology*, **8(6),** 2013, 591-599, ISSN 1895-104X **(398)**

1266. Jin Z. Amaryllidaceae and Sceletium alkaloids. *Natural product reports*, **30,** 2013, 849-868, ISSN 0265-0568 **(398)**

1267. Mišić D., Šiler B., Skorić M., Djurickovic M.S., Nestorović Živković J., Jovanović V., Giba Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry*, **48(10)**, 2013, 1587-1591, ISSN 1359-5113 **(398)**

1268. Mallón R., Vieitez A.M., Vidal N. High-efficiency *Agrobacterium*-mediated transformation in Quercus robur: selection by use of a temporary immersion system and assessment by quantitative PCR. *Plant Cell, Tissue and Organ Culture*, **114,** 2013, 171-185, ISSN 0167-6857 **(399)**

1269. Russo P., Frustaci A., Del Bufalo A., Fini M., Cesario A. From traditional European medicine to discovery of new drug candidates for the treatment of dementia and Alzheimers disease: Acetylcholinesterase inhibitors. *Current medicinal chemistry*, **20(8)**, 2013, 976-983, ISSN 0929-8673 **(400)**

1270. Baskaran P., Singh S., Van Staden J. In vitro propagation, proscillaridin A production and antibacterial activity in *Drimia robusta*. *Plant Cell, Tissue and Organ Culture*, **114,** 2013, 259-267, ISSN 0167-6857 **(400)**

1271. Jin Z. Amaryllidaceae and Sceletium alkaloids. *Natural product reports*, **30**, 2013, 849-868, ISSN 0265-0568 **(400)**

1272. Di Maio A., De Castro O. Development and characterization of 21 microsatellite markers for *Pancratium maritimum* L. (Amaryllidaceae). *Conservation Genetics Resources*, **5,** 2013, 911-914, ISSN 1877-7252 **(400).**

1273. Gurubel KJ, Sanchez EN, Carlos-Hernandez S, Ornelas-Tellez F. PSO hybrid intelligent inverse optimal control for an anaerobic process. *2013 IEEE Congress on Evolutionary Computation, CEC 2013*, 2013, art. no. 6557660, 876-883, **ISBN** 978-147990454-9 **(401)**

1274. Gurubel KJ, Ornelas-Tellez F, Sanchez EN, Carlos-Hernandez S. Hybrid intelligent inverse optimal control for methane production in an anaerobic process. *Chemical and Biochemical Engineering Quarterly* **27(2),** 2013, 197-210, ISSN 0352-9568 **(401)**

1275. Boghani HC, Kim JR, Dinsdale RM, Guwy AJ, Premier GC. Analysis of the dynamic performance of a microbial fuel cell using a system identification approach. *Journal of Power Sources* **238,** 2013, 218-226, ISSN 0378-7753 **(402)**

1276. Flores-Estrella R, Quiroz G, Mendez-Acosta HO, Femat R. H ∞ control of anaerobic digester for winery industry wastewater treatment. *Industrial and Engineering Chemistry Research* **52 (7),** 2013, 2625-2632, ISSN 0888-5885 **(403)**

1277. Господинов М, Господинова Е, Чешмеджиев К. Автоматизирана система за производство на възобновяема енергия от биомаса. *Автоматика и информатика* **1**, 2013, 7-12, ISSN 0861-7562 **(404)**

1278. Martins F., Pereira J.A., Baptista P. Oxidative stress response of *Beauveria bassiana* to Bordeaux mixture and its influence on fungus growth and development *Pest Manag Sci* (2013) in press, ISSN 1526-4998 **(405)**

1279. Arend W.P., Mehta G., Antonioli A.H., Takahashi M., Takahashi K., Stahl G.L., et al. Roles of adipocytes and fibroblasts in activation of the alternative pathway of complement in inflammatory arthritis in mice. *Journal of Immunology*, 190, 2013, 6423-6433, ISSN 0022-1767 **(406)**

1280. Banda N.K., Mehta G., Ferreira V.P., Cortes C., Pickering M.C., Pangburn M.K., et al. Essential role of surface-bound complement factor H in controlling immune complex-induced arthritis. *Journal of Immunology*, **190,** 2013, 3560-3569 ISSN 0022-1767 **(406)**

1281. Durigutto P., Macor P., Ziller F., De Maso L., Fischetti F., Marzari R., et al. Prevention of Arthritis by Locally Synthesized Recombinant Antibody Neutralizing Complement Component C5. *PLoS ONE,* 2013, 8, ISSN 1932-6203 **(406)**

1282. Lesher A.M., Nilsson B., Song W.C. Properdin in complement activation and tissue injury. *Molecular Immunology*, **56**, 2013, 191-198, ISSN 0161-5890 **(406)**

1283. Shen P.C., Lu C.S., Shiau A.L., Lee C.H., Jou I.M., Hsieh J.L. Lentiviral small hairpin RNA knockdown of macrophage inflammatory protein-1γ ameliorates experimentally induced osteoarthritis in mice. *Human Gene Therapy*, **24**, 2013, 871-82, ISSN 1043-0342 **(406)**

1284. van den Brand B.T., Vermeij E.A., Waterborg C.E.J., Arntz O.J., Kracht M., Bennink M.B., et al. Intravenous Delivery of HIV-Based Lentiviral Vectors Preferentially Transduces F4/80+ and Ly-6C+ Cells in Spleen, Important Target Cells in Autoimmune Arthritis. *PLoS ONE*, 2013, 8, ISSN 1932-6203 **(406)**

1285. Yue H.L., Zhao X.H., Mei L.J., Shao Y. Separation and purification of five phenylpropanoid glycosides from Lamiophlomis rotata (Benth.) Kudo by a macroporous resin column combined with high-speed counter-current chromatography. *Journal of Separation Science*, **36,** 2013, 3123-3129, ISSN 1615-9306 **(407)**

1286. Agrawal A. Not only immunoglobulins, C-reactive protein too. *Molecular Immunology,* **56**, 2013, 561, ISSN 0161-5890 **(408)**

1287. Todorov D, Dimitrova M, Shishkova K, Yordanova Zh, Kapchina-Toteva V, Shishkov S. Comparative Anti-Herpes effects of the Chloroform *in vitro* and *in vivo* extracts, derived from *Lamium album* L. *Bulgarian Journal of Agricultural Science* **19**, 2013, 190-193, ISSN 1310-0351 **(409)**

1288. Goh KM, Kahar UM, Chai YY, Chong CS, Chai KP, Ranjani V, Illias RM, Chan K-G. Recent discoveries and applications of *Anoxybacillus*. *Appl. Microbiol. Biotechnol.,* **97(4),** 2013, 1475-1488, ISSN 0175-7598 **(410)**

1289. Fontana C., Ramström K., Weintraub A., Widmalm G. Structural studies of the O-antigen polysaccharide from *Escherichia coli* O115 and biosynthetic aspects thereof. *Glycobiology*. **23(3),** 2013, 354-62, ISSN 0959-6658 **(411)**

1290. Zulkifli S. Immobilization of *Escherichia coli* producing recombinant cyclodextrin glucanotranferase using hollow fiber membrane. *PhD Thesis*, 2013, Faculty of Chemical Engineering, Universiti Teknologi, Malaysia **(412)**

1291. Bacillus-Advances in Research and Application. General Editor: Q. Ashton Acton, 2013 Edition, Scholarly Editions, Atlanta, Georgia, p. 290 **(413)**

1292. Mollea C.,Marmo L., Bosco F. Valorisation of cheese whey, a by-product from the dairy industry. Chapter 24, 549 – 588. *In: Food Industry. Muzzalupo I. (Ed).* 2013, In Tech. **ISBN** 978-953-51-0911-2 **(414)**

1293. Jena P.K., Trivedi D., Chaudhary H., Sahoo T.K., Seshadri S. Bacteriocin PJ4 active against enteric pathogen produced by *Lactobacillus helveticus PJ4* isolated from gut microflora of wistar rat (*Rattus norvegicus*): partial purification and characterization of bacteriocin. *Applied Biochemistry Biotechnology*, **169,** 2013, 2088-2100, ISSN 0273-2289 **(414)**

1294. Karpinski T.M., Szkaradkiewicz A.K. Characteristic of bacteriocines and their application (Review). *Polish Journal of Microbiology* **62,** 2013, 223-235, ISSN 1733-1331 **(414)**

1295. Russo P., Frustaci A., Del Bufalo A., Fini M., Cesario A. From traditional European medicine to discovery of new drug candidates for the treatment of dementia and Alzheimer's disease: Acetylcholinesterase inhibitors. *Current Medicinal Chemistry* **20(8),** 2013, 976-983, ISSN 0929-8673 **(415)**

1296. Bulgakov V. P., Shkryl Y. N., Veremeichik G. N., Gorpenchenko T. Y., Vereshchagina Y. V. Recent Advances in the understanding of *Agrobacterium rhizogenes*-derived genes and their effects on stress. *Advances in Biochemical Engineering/Biotechnology* 134, 2013, 1-22, ISSN 0724-6145 **(416)**

1297. Fattahi M., Nazeri V., Torras-Claveria L., Sefidkon F., Cusido R.M., Zamani Z., Palazon J. A new biotechnological source of rosmarinic acid and surface flavonoids: hairy root cultures of *Dracocephalum kotschyi* Boiss. *Industrial Crops and Products* **50,** 2013, 256-263, ISSN 0926-6690 **(416)**

1298. Glab B., Furmanek T., Miklaszewska M., Banas A., Krolicka A. Lipids in hairy roots and non-*Agrobacterium* induced roots of *Crambe abyssinica*. *Acta Physiologiae Plantarum* **35**, 2013, 2137-2145, ISSN 0137-5881 **(416)**

1299. Huang Y., Su C-Y., Kuo H-J., Chen Y-H., Huang P-L., Lee K-T. A comparison of strategies for multiple-gene co-transformation via hairy root induction. *Applied Microbiology and Biotechnology* **97**, 2013, 8537-8647, ISSN 0175-7598 **(416)**

1300. Kim Y-K., Kim J.K., Kim Y.B., Lee S., Kim S-U., Park S.U. Enhanced accumulation of phytosterol and triterpene in hairy root cultures of *Platycodon grandiflorum* by overexpression of *Panax ginseng* 3-hydroxy-3-methylglutaryl-coenzyme A reductase. *Journal of Agricultural and Food Chemistry* **61,** 2013, 1928-1934, ISSN 0021-8561 **(416)**

1301. Lan X. Molecular cloning and characterization of the gene encoding 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase from hairy roots of *Rauvolfia verticillata.* Biologia 68, 2013, 91-98, ISSN 0006-3088 **(416)**

1302. Mišić D., Šiler B., Skorić M., Djurickovic M.S., Nestorović Živković J., Jovanović V., Giba Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry* **48(10**), 2013, 1587-1591, ISSN 1359-5113 **(416)**

1303. Moses T., Pollier J., Thevelein J.M., Goossens A. Bioengineering of plant (tri)terpenoids: from metabolic engineering of plants to synthetic biology *in vivo* and *in vitro*. *New Phytologist* **200,** 2013, 27-43, ISSN 1469-8137 **(416)**

1304. Schaffer L.F., Peroza L.R., Boligon A.A., Athayde M.L., Alves S.H., Fachinetto R., Wagner C. *Harpagophytum procumbens* prevents oxidative stress and loss of cell viability *in vitro*. *Neurochemical Research* **38,** 2013, 2256-2267, ISSN 0364-3190 **(417)**

1305. Choudhari A.S., Raina P., Deshpande M.M., Wali A.G., Zanwar A., Bodhankar S.L., Kaul-Ghanekar R. Evaluating the anti-inflammatory potential of *Tectaria cicutaria* L. rhizome extract *in vitro* as well as *in vivo*. *Journal of Ethnopharmacology* **150(1),** 2013, 215-222, ISSN 0378-8741 **(418)**

1306. Grigore A., Colceru-Mihul S., Litescu S., Panteli M., Rasit I. Correlation between polyphenol content and anti-inflammatory activity of *Verbascum phlomoides* (mullein). *Pharmaceutical Biology* **51(7),** 2013, 925-929, ISSN 1388-0209 **(418)**

1307. Sanchez P.M., Villarreal M.L., Herrera-Ruiz M., Zamilpa A., Jimenez-Ferrer E., Trejo-Tapia, G. *In vivo* anti-inflammatory and anti-ulcerogenic activities of extracts from wild growing and *in vitro* plants of *Castilleja tenuiflora* Benth. (Orobanchaceae). *Journal of Ethnopharmacology* **150(3)**, 2013, 1032-1037, ISSN 0378-8741 **(418)**

1308. Ptak A., Simlat M., Kwiecień M., Laurain-Mattar D. *Leucojum aestivum* plants propagated in in vitro bioreactor culture and on solid media containing cytokinins. *Engineering in Life Sciences*, **13(3),** 2013, 261–270, ISSN 1618-2863 **(419)**

1309. Tasheva K., Kosturkova G. Role of biotechnology for protection of endangered medicinal plants. In: Environmental Biotechnology - New Approaches and Prospective Applications, (Petre M. ed.). *InTech Publisher*, 2013, 235-285, **ISBN** 978-953-51-0972-3 **(419)**

1310. Russo P., Frustaci A., Del Bufalo A., Fini M., Cesario A. From traditional European medicine to discovery of new drug candidates for the treatment of dementia and Alzheimers disease: Acetylcholinesterase inhibitors. *Current medicinal chemistry*, **20(8),** 2013, 976-983, ISSN 0929-8673 **(419).**

1311. Ptak A., El Tahchy A., Skrzypek E., Wójtowicz T., Laurain-Mattar D. Influence of auxins on somatic embryogenesis and alkaloid accumulation in *Leucojum aestivum* callus. *Central European Journal of Biology*, **8(6)**, 2013, 591-599, ISSN 1895-104X **(419)**

1312. Jin Z. Amaryllidaceae and Sceletium alkaloids. *Natural product reports*, **30**, 2013, 849-868, ISSN 0265-0568 **(419)**

1313. Gansau J.A., Mahmood M. Growth characteristics and production of physalins from *Physalis minima* hairy roots in shake flasks. *Kasetsart J. (Nat. Sci.),* **47,** 2013, 748-759, ISSN 0075-5192 **(420).**

1314. Georgiev V., Ivanov I., Berkov S., Ilieva M., Georgiev M., Gocheva T Ptak A., Simlat M., Kwiecień M., Laurain-Mattar D. *Leucojum aestivum* plants propagated in in vitro bioreactor culture and on solid media containing cytokinins. *Engineering in Life Sciences*, **13(3),** 2013, 261–270, ISSN 1618-2863 **(421).**

1315. Sharma P., Padh H., Shrivastava N. Hairy root cultures: A suitable biological system for studying secondary metabolic pathways in plants. *Engineering in Life Sciences*, **13(1),** 2013, 62-75, ISSN 1618-2863 **(421)**

1316. Tasheva K., Kosturkova G. Role of biotechnology for protection of endangered medicinal plants. In: Environmental Biotechnology - New Approaches and Prospective Applications, (Petre M. ed.) *InTech Publisher*, 2013, 235-285, **ISBN** 978-953-51-0972-3 **(421)**

1317. Jin Z. Amaryllidaceae and Sceletium alkaloids. *Natural product reports*, **30**, 2013, 849-868, ISSN 0265-0568 **(421)**

1318. Takos A.M., Rook F. Towards a molecular understanding of the biosynthesis of Amaryllidaceae alkaloids in support of their expanding medical use. *International Journal of Molecular Sciences*, **14(6),** 2013, 11713-11741, ISSN 1422-0067 **(421)**

1319. WQRA, Information and analysis for water and health professionals, Health Stream, Public Health Newsletter of Water Quality Research Australia, January **68,** 2013, 21-22, www.waterra.com.au/publications/HS68.pdf, ISSN 9999-0275 **(422)**

1320. Zhu Weipu *et al*. Cationic poly (ester-phosphoester) s: Facile synthesis and antibacterial properties. *Journal of Polymer Science Part A: Polymer Chemistry* **51,** 2013, 3667-3673, ISSN 1099-0518 **(423)**

1321. Bai Bingyu *et al*. Non-enveloped virus reduction with quaternized chitosan nanofibers containing graphene. *Carbohydrate research* **380**, 2013, 137-142, ISSN 0008-6215 **(423)**

1322. Fan Guirong, Yang Zhibang, and Huang Jin. "Mycobacterium abscesses rifampicin induction of L-type. *The Journal of Third Military Medical University* 35.016, 2013, 1717-1720 ISSN 1000-5404 **(424)**

1323. Mielnik-Sikorska, M., Daca, P., Malyarchuk, B., Derenko, M., Skonieczna, K., Perkova, M., Dobosz, T., Grzybowski, T. The History of Slavs Inferred from Complete Mitochondrial Genome Sequences. *PLoS ONE*, 2013, 8(1), Article number e54360, ISSN 1932-6203 **(425)**

1324. Christainsen, G.B. IQ and the wealth of nations: How much reverse causality?Intelligence, 2013, 41(5), 688-698, ISSN 0160-2896 **(425)**

1325. Lembring, M., Van Oven, M., Montelius, M., Allen, M. Mitochondrial DNA analysis of Swedish population samples. *International Journal of Legal Medicine*, 2013, 127(6), 1097-1099, ISSN 0937-9827 **(425)**

1326. Carpenter, M.L., Buenrostro, J.D., Valdiosera, C., Schroeder, H., Allentoft, M.E., Sikora, M., Rasmussen, M., Gravel, S., Guillén, S., Nekhrizov, G., Leshtakov, K., Dimitrova, D., Theodossiev, N., Pettener, D., Luiselli, D., Sandoval, K., Moreno-Estrada, A., Li, Y., Wang, J., Gilbert, M.T.P., Willerslev, E., Greenleaf, W.J., Bustamante, C.D. Pulling out the 1%: Whole-Genome capture for the targeted enrichment of ancient DNA sequencing libraries. *American Journal of Human Genetics*, **93(5),** 2013, 852-864, ISSN 0002-9297 **(425)**

1327. Seo, S., Englund, J.A., Nguyen, J.T., Pukrittayakamee, S., Lindegardh, N., Tarning, J., Tambyah, P.A., Renaud, C., Went, G.T., De Jong, M.D., Boeckh, M.J. Combination therapy with amantadine, oseltamivir and ribavirin for influenza A

infection: Safety and pharmacokinetics. *Antiviral Therapy*, **18(3),** 2013, 377-386, ISSN 1359-6535, **(426)**

1328. Rootsi, S., Behar, D.M. , Järve, M., Lin, A.A., Myres, N.M., Passarelli, B., Poznik, G.D., Tzur, S., Sahakyan, H., Pathak, A.K., Rosset, S., Metspalu, M., Grugni, V., Semino, O., Metspalu, E., Bustamante, C.D., Skorecki, K., Villems, R., Kivisild, T., Underhill, P.A. Phylogenetic applications of whole y-chromosome sequences and the near eastern origin of ashkenazi levites. *Nature Communications*, 2013, 4, Article number 2928, ISSN 2041-1723 **(427)**

1329. Cordero-Maldonado M.L., Siverio-Mota D., Vicet-Muro L., Wilches-Arizábala I.M., Esguerra C.V., de Witte P.A.M., et al. Optimization and Pharmacological Validation of a Leukocyte Migration Assay in Zebrafish Larvae for the Rapid In Vivo Bioactivity Analysis of Anti-Inflammatory Secondary Metabolites. *PLoS ONE*, 2013, 8, ISSN 1932-6203 **(428)**

1330. Li B.-Z., Ye Q.-L., Xu W.-D., Li J.-H., Ye D.-Q., Xu Y. GM-CSF alters dendritec cells in autoimmune diseases. *Autoimmunity*, **46,** 2013, 409-418, ISSN 0891-6934 **(429)**

1331. Chapman J., Shoenfeld Y. Chronic inflammatory demyelinating polyradiculoneuropathy: revisiting the role of intravenous immmunoglobulins. *The Israel Medical Association journal IMAJ,* **15,** 2013, 293, ISSN 1565-1088 **(429)**

1332. Miescher S.M., Kasermann F. The future of immunoglobulin therapy: an overview of the 2nd international workshop on natural antibodies in health and disease. *Autoimmun Rev,* **12,** 2013, 639, ISSN 15 **(429)**

1333. Azmi A.S., Mohammad R.M. Providing activation-induced cytidine deaminase (AID) to nuclear export inhibitors. Response to: "Complex downstream effects of nuclear export inhibition in B-cell lymphomas: A possible role for activation-induced cytidine deaminase". *Haematologica*, 2013, 98, ISSN 0390-6078 **(430)**

1334. Heydarizadeh P., Poirier I., Loizeau D., Ulmann L., Mimouni V., Schoefs B., Bertrand M. Plastids of marine phytoplankton produce bioactive pigments and lipids. *Marine Drugs*, **9, 11**, 2013, 3425-3471, ISSN 1660-3397 **(431)**

1335. Leão P N., Ramos V., Gonçalves PB., Viana F., Lage OM., Gerwick WH., Vasconcelos V M. Chemoecological screening reveals high bioactivity in diverse culturable Portuguese marine cyanobacteria. *Marine Drugs*, **4, 11,** 2013, 1316-1335, ISSN 1660-3397 **(431)**

1336. Tran ENH., Morona R. Residues located inside the *Escherichia coli* FepE protein oligomer are essential for lipopolysaccharide O-antigen modal chain length regulation Tran. *Microbiology (United Kingdom)*, **4, 159**, 2013, 701-714, ISSN 1350-0872 **(432)**

1337. Kaszowska M., Jachymek W., Lukasiewicz J., Niedziela T., Kenne L., Lugowski C. The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)-α-D-Glcp (α-D-Lenose). *Carbohydrate Research*, **378**, 2013, 98-107, ISSN 0008-6215 **(432)**

1338. Yang Z., Li X., Qi X., Shan J., Jiang R., Guo L., Zhang R., Li Y. Identification and functional analysis of the chain length determinant gene ste8 involved in the biosynthesis of ebosin by *Streptomyces sp*. *Journal of Microbiology and Biotechnology*, **11, 23**, 2013, 1500-1508, ISSN 1017-7825 **(432)**

1339. Nuhu AA. *Spirulina (Arthrospira)*: An important source of nutritional and medicinal compounds. *J. Mar. Biol.*, 2013, http://dx.doi.org/10.1155/2013/325636, ISSN 1687-9481 **(433)**
1340. Asan-Ozusaglam M., Y.S. Cakmak, M. Kaya. Bioactivity and antioxidant capacity of *Anabaenopsis sp.* (Cyanobacteria) extracts. *J. Algal Biomass Utln*. **4**, 2013, 3, 50-58, ISSN 2229-6905 **(433)**
1341. CABI, 2013. Invasive Species Compendium. Wallingford, UK: CAB International. www.cabi.org/isc. **(434)**
1342. Cordero-Maldonado M.L., Siverio-Mota D., Vicet-Muro L., Wilches-Arizabala M., Esguerra C.V., de Witte P.A.M., Grawford A.D. Optimization and pharmacological validation of a leukocyte migration assay in zebrafish larvae for the rapid *in vivo* bioactivity analysis of anti-inflammatory secondary metabolites. *PLoS ONE* **8(10),** 2013, 375404, ISSN 1932-6203 **(435)**
1343. Kokotkiewicz A., Luczkiewicz M., Kowalski W., Badura A., Piekus N., Bucinski A. Isoflavone production in *Cyclopia subternata* Vogel (honeybush) suspension cultures grown in shake flasks and stirred-tank reactor. *Applied Microbiology and Biotechnology* **97,** 2013, 8467-8477, ISSN 0175-7598 **(436)**
1344. Mišić D., Šiler B., Skorić M., Djurickovic M.S., Nestorović Živković J., Jovanović V., Giba Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry* **48(10),** 2013, 1587-1591, ISSN 1359-5113 **(436)**
1345. Tomic M., Popovic V., Petrovic S., Stepanovic-Petrovic R., Micov A., Pavlovic-Drobac M., Couladis M. Antihyperalgesic and antiedematous activities of bisabolol-oxides-rich Matricaria oil in a rat model of inflammation. *Phytotherapy Research* 2013, DOI: 10.1002/ptr.5057, ISSN 1099-1573 **(437)**
1346. Mišić D., Šiler B., Skorić M., Djurickovic M.S., Nestorović Živković J., Jovanović V., Giba Z. Secoiridoid glycosides production by *Centaurium maritimum* (L.) Fritch hairy root cultures in temporary immersion bioreactor. *Process Biochemistry*, **48(10),** 2013, 1587-1591, ISSN 1359-5113 **(438)**
1347. Capuani A, Werner S, Behr J, Vogel RF. Effect of controlled extracellular oxidation–reduction potential on microbial metabolism and proteolysis in buckwheat sourdough, *European Food Research & Technology*, 2013, DOI 10.1007/s00217-013-2120-9, ISSN 1438-2377 **(430)**
1348. Rahmadi A, Abdiah I, Sukarno MD, Ningsih TP. Physicochemical and antimicrobial characteristics of virgin coconut oil extracted with lactic acid bacteria, *Jurnal Teknologi dan Industri Pangan,* 2013, ISSN 1979-7788 **(439)**
1349. Yuliana N, Nurdjahan S, Margareta M. The effect of a mixed-starter culture of lactic acid bacteria on the characteristic of pickled orange-fleshed sweet potato (*Ipomoea batatas* L.). *Microbiology Indonesia*, **7(1),** 2013, 1-8, ISSN 1978-3477 **(439)**
1350. Abed R.M.M., Dobretsov S., Al-Fori M., Gunasekera S.P., Sudesh K., Paul V.J. Quorum-sensing inhibitory compounds from extremophilic microorganisms isolated from a hypersaline cyanobacterial mat. *J. Ind. Microbiol. Biotechnol.* **40(7),** 2013, 759-772, ISSN 1476-5535 **(440)**

1351. Xi J., He M., Wang K., Zhang G. Adsorption of antimony (III) on goethine in the presence of competitive anions. *J. Geochem. Explor.* **132**, 2013, 201-2018, ISSN 0375-6742 **(441)**

1352. Basak B, Bhunia B, Dutta S, Chakraborty S, Dey A. Kinetics of phenol biodegradation at high concentration by a metabolically versatile isolated yeast Candida tropicalis PHB5. *J Environmental Science and Pollution Research*, http://dx.doi.org/10.1007/s11356-013-2040-z, ISSN 1614-7499 **(442)**

1353. Bley T. A new generation of bioproduction systems. *Engineering in Life Sciences*, **13 (1)**, 2013, 1–2, Online ISSN 1618-2863 **(442)**

1354. Haddadi A, Shavandi M. Biodegradation of phenol in hypersaline conditions by Halomonas sp. strain PH2-2 isolated from saline soil. *International Biodeterioration & Biodegradation*, **85**, 2013, 29-34, ISSN 0964-8305 **(442)**

1355. Johnson EA. Biotechnology of non-Saccharomyces yeasts-the basidiomycetes. *Applied Microbiology and Biotechnology*, **97(17)**, 2013, 7563-7577, ISSN 0175-7598 **(442)**

1356. Ntougias S, Bourtzis K, Tsiamis G.The microbiology of olive mill wastes. *BioMedResearch International*, **2013**, 2013, art. no. 784591, ISSN 2314-6133 ( )

12. Научен съвет на ИМикБ

12.1. Информация за Научния съвет на ИМикБ – дата на избиране и списъчен състав

Дата на избиране: 27.02.2012 г.

По важни заседания:

- Обсъждане на срокове и процедура на предстояща атестация на учените в Института - Избор на Атестационна и Апелативна комисии
- Обсъждане на проекти по ЕБР и други с международно сътрудничество
- Обсъждане на постъпилите заявки за прием на редовни докторанти
- Приемане на отчети и програми за на докторанти
- Зачисляване, отчисляване и решения за насочване към защита на докторанти
- Избор на Атестационна комисия в Института по микробиология
- Решение за номинации за годишни награди за наука „Питагор”
- Утвърждаване на състав на изпитни комисии по конкурси за редовни докторантури
- Избор на научни журита
- Избор на доцент

12.2. Списък на членовете на Научния съвет при Института по микробиология “Стефан Ангелов” – БАН

№	Име, презиме и фамилия	Научна степен и научна специалност, по която е получена	Научно звание и научна специалност, по която е получена	Месторабота
1.	Ангел Симеонов Гълъбов	дмн, “Вирусология”	академик, “Вирусология”	пенсионер
2.	Тодор Веселов Кантарджиев	дмн, “Микробиология”	професор, “Микробиология”	НЦЗПБ
3.	Мария Богомилова Ангелова	дбн, “Микробиология”	професор, “Микробиология”	ИМикБ БАН
4.	Чавдар Любенов Василев	дбн, “Имунология”	професор, “Имунология”	ИМикБ БАН
5.	Атанас Иванов Павлов	дтн, “Технология на биол. активни вещества”	професор, “Технология на биол. активни вещества”	ИМикБ БАН
6.	Нина Димитрова Ивановска	дбн, “Имунология”	професор, “Имунология”	ИМикБ БАН
7.	Христо Миладинов Найденски	двмн, “Микробиология”	професор, “Микробиология”	ИМикБ БАН
8.	Любка Йорданова Думанова	д-р, “Вирусология”	доцент, “Вирусология”	ИМикБ БАН
9.	Данка Николова Гълъбова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
10.	Златка Милчева Алексиева	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
11.	Маргарита Стоянова Камбурова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
12.	Светла Трифонова Данова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
13.	Пенка Младенова Петрова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
14.	Андрей Иванов Чорбанов	д-р, „Имунология”	доцент, “Имунология”	ИМикБ БАН
15.	Веселин Кънчев Късовски	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
16.	Надя Димитрова Маркова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН
17.	Вера Атанасова Максимова	д-р, „Вирусология”	професор, „Молекулярна биология”	ИМБ БАН
18.	Любомира Николаева Крумова- Гломб	д-р, „Вирусология”	доцент, “Вирусология”	ИМикБ БАН

19.	Петя Асенова Димитрова	д-р, „Имунология”	доцент, “Имунология”	ИМикБ БАН
20.	Стоянка Рангелова Стоицова	д-р, „Паразитология”	доцент, „Морфология”	ИМикБ БАН
21.	Блага Ангелова Мутафова	д-р, “Микробиология”	доцент, “Микробиология”	ИМикБ БАН

12.3. Списъчен състав на чуждестранни учени в НС

INTERNATIONAL SCIENTIFIC COUNCIL

Prof. Fabian Wild – Centre of WHO, Lion, France

Prof. Jeffery Almond - School of Animal and Microbial Sciences at the University of Reading, UK

Prof. Anna Erdei – University of L. Eotvos, Budapest, Hungary

Prof. Fergus G. Priest - School of Life Sciences Heriot-Watt University Edinburgh, UK

Prof. Erik DeClercq – Rega Institute for Medical Research at the Catholic University of Leuven, Belgium

Prof. Dietmar Fuchs – University of Innsbruck, Austria

Prof. Milton S. Da Costa - Departamento de Bioquimica and Centro de Neurociencias e Biologia Celular, Universidade de Coimbra, Portugal

Prof. Thomas Blei – University of Dresden, Germany

Dr. Igor Mocrousov - Institut Pasteur, St. Peterburg, Russia

13. Списък на използваните в отчета съкращения

7РП - 7 Рамкова програма към ЕС

ACIP - Action Concertée du Reeseau International des Insituts Pasteur (Inter-Pasteurien Concerted Actions)

EFSA - Европейската федерация по безопасността на храните

FEMS - Federation of European Microbiological Societies (Федерация на Европейските Микробиолози)

IUMS - International Union of Microbiological Societies

RIIP - The Institut Pasteur International Network

АРОО - анаеробното разграждане на органични отпадъци

БАБХ – Българска агенция по безопасност на храните

ЗРАСРБ – Закон за развитието на академичния състав в Република България

БФ - Биологически факултет

ДВУ - държавни висши училища

ИБЕИ - Институт по биоразнообразие и екосистемни изследвания -БАН

ИМикБ - Институт по микробиология

ЛТУ - Лесотехнически университет

МВнр – Министерство на външните работи

МОМН - Министерство на образованието, младежта и науката

НАОА - Националната Агенция за Оценка и Акредитация

онс – образователна научна степен

РАН – Руска Академия на Науките

СНС - Специализиран научен съвет

УАН – Унгарска Академия на Науките

УХТ - Университет по хранителни технологии

ФНИ - Фонд „Научни изследвания”

ХТМУ - Химико-технологичен и металургичен университет

ФХФ – Факултет по химия и фармация