April 2014

CONTENTS

847-854	Xiaoxue Fang, Min Zhao and Shu Cheng Liang Performance of the Immobilized Aerobic Denitrification Bacteria
855-863	Guoli Gong, Na Wang and Lili Liu Production Improvement of Epothilone B by <i>Sorangium cellulosum</i> by Mutation of Strain and Optimization of the Fermentation Process
865-873	Zhang Zhennan, Zheng Shaokui, Xu Yahui, Li Juan and Liu Xinchun Occurrence and Removal of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 in Four Full-scale Sewage Treatment Systems in Beijing, China
875-882	Yiling Hou, Xiang Ding, Wanru Hou, Ting Wang, Fang Wang, Jian Li and Yichun Zeng The Evaluation for Anticancer Activity on Hep-2 and HepG-2 Cells of Ribosomal Protein L36 (RPL36) from the <i>Escherichia coli</i> BL21
883-888	Lin hui Li, Yan Yang, Dao wen He and Bing han Li Trichoderma virens Invasion of Coprinus comatus and its Fungicides
889-898	Fuyun Zhang, Ying Zhang, Feng Xu, Yang Yang and Yu Zhao Antimicrobial Protein Produced by a Novel Endophyte DNN6 Isolated from Laminaria japonica Aresch
899-908	Lianghong Yin, Xiaoqing Hu and Xiaoyuan Wang Proteomic Analysis of L-isoleucine Production by <i>Corynebacterium glutamicum</i>
909-915	Xin Lv, Weihua Zhu and Yi Cao Screening, Identification, Cloning, Expression and Characterization of α-amylase from <i>Bacillus amyloliquefaciens</i>
917-925	Amina Cherif Haouat, Abdellatif Haggoud, Suzanna David, Saad Ibnsouda and Mohammed Iraqui In vitro Evaluation of the Antimycobacterial Activity and Fractionation of <i>Berberis hispanica</i> Root Bark
927-929	Betül Kaya and Bulent Ergonul Microbiological Attributes of Tahin (Sesame) Helva Sold under Market Conditions in Manisa
931-935	Sarac Nurdan and Ugur Aysel Antioxidant and Antimutagenic Activities of Turkish Pistachio (<i>Pistacia vera</i>) Rosy Hull Extract
937-943	Pradeep Kumar, Abhinav Aeron, Mukesh Chand and Shruti Shukla Protein Tyrosine Phosphatases Extracted from Peanut Seedlings Express Differential Activity on Exposer to Surfactants
945-949	S. Aravind, N.M. Kamble, S.S. Gaikad, S.K. Shukla, S.A. Khulpae, Sohini Dey and C. Madhan Mohan Isolation and Rapid Identification of a Kerala Isolate of Duck Enteritis Virus using Polymerase Chain Reaction

951-955 Basheer A. Al-Sum and Naif A. Al-Dhabi Isolation of Bacteriophage from Mentha species in Riyadh, Saudi Arabia

JOURNAL OF PURE AND APPLIED MICROBIOLOGY

Volume 08, Number 02

April 2014

957-964	Eskandar Moghimipour, Mohammad Kargar, Zahra Ramezani and Somayeh Handali Archaeosome Made from Lipids Extracted of <i>Acidianus brierleyi</i> as a New Drug Delivery System
965-971	Madhurama Gangwar, Nagma Sharma and Preeti Saini Indole-3-acetic Acid Production by <i>Streptomyces</i> sp Isolated from Rhizospheric Soils of Medicinal Plants
973-978	Laila Naher, Umi Kalsom Yusuf, Soon Guan Tan, Shafiquzzaman Siddiquee and M. Robiul Islam In vitro and In vivo Biocontrol Performance of <i>Trichoderma harzianum</i> Rifai on <i>Ganoderma boninense</i> Pat. Related to Pathogenicity on Oil Palm, (<i>Elaeis guineensis</i> Jacq.)
979-984	Sooyeon Ahn, Won-II Kim, Hwang-Yong Kim, Se-Ri Kim, Jae-Gee Ryu and Yohan Yoon Growth Kinetic Behavior of Toxin-Producing Bacteria on Strawberries under Dynamic Temperature Conditions
985-991	Sevil Toroglu, Hatice Avan and Dilek Keskin Antimicrobial Resistance and Sensitivity among Isolates of <i>Esherichia coli</i> from Patients in Kahramanmaras, Turkey
993-1002	Hulya Celik, Kaan Kucukoglu, Hayrunnisa Nadaroglu and Merve Senol Evaluation of Antioxidant, Antiradicalic and Antimicrobial Activities of Kernel Date (<i>Fructus dactylus</i>)
1003-1007	Omar H.M. Shair Heat Resisting Bacteria from Soil: A Simple Method for Isolation and Extraction of DNA
1009-1014	Merve Eylul Bozkurt and Ahmet Akin Investigation of Antimicrobial Effects of Some Anesthetics
1015-1019	Azizian Reza, Azizi Jalilian Farid, Sekawi Zamberi, Razieh Amini, Karimi Sajedeh, Nasser Ahmad, Askari Hassan, Sadeghifard Norkhoda, Taherikalani Morovat and Pakzad Iraj Dynamics of Bacteriophages as a Promising Antibiofilm Agents
1021-1030	D.K. Dushyantha, K.S. Jagadeesh, C.R Patil and P. Jones Nirmalnath Pectinase Production from <i>Aspergillus niger</i> RBF96 by Solid State Fermentation using Citrus Peel
1031-1042	Gustavo A. De La Riva, Juan Collí Mull, Ramón Quiroz Razo, Lucila García Ramírez, Guillermin Agüero Chapin and Juan Carlos Morales-Aragón A Bacterial Strain that Affects Lifecycle of Whiteflies (<i>Bemisia tabaci</i> G, <i>Hemiptera:</i> <i>Aleyrodidae</i>) Isolated from the Charco Azul, Xichú, Guanajuato (Mexico)
1043-1049	Monira R. Al-Othman, Abeer R.M. Abd El-Aziz, Mohamed A. Mahmoud and Munirah F. Al-Gahtani Effect of Essential Oils on Growth and Aflatoxin Production by <i>A. parasiticus</i> Isolated from Walnuts

April 2014

1051-1057	Masoumeh Rezaei Moshaei, Ghorban Ali Nematzadeh, Hossein Askari, Leila Haghighi, Amir Sasan Mozaffari Nejad and Ali Asghar Ahmadi Assessment of Some Physiological Parameters and HAK1-type Transporter Transcriptional Changes in <i>Aeluropus littoralis</i> under NaCl Stress
1059-1064	Mirta Azizi, Iraj Pakzad, Zahra Karam Nejad Fariba Khodayari, Reza Azizian, Farid Azizi Jalilian, Morevat Taherikalani, Masoud Hamidi and Reza Pakzad Microbiological Pattern and Antibiotic Susceptibility of Agents Isolated from Nosocomial Infections, Staff and Equipment of Surgery Section and ICU of Imam Khomaini Hospital, Ilam, Iran
1065-1069	Farhad Safarpoor Dehkordi, Yousef Valizadeh, Tannaz Alipour Birgani and Khashayar Ghasemi Dehkordi Prevalence Study of <i>Brucella melitensis</i> and <i>Brucella abortus</i> in Cow's Milk using Dot Enzyme Linked Immuno Sorbent Assay and Duplex Polymerase Chain Reaction
1071-1077	Sun Huigang, Lu Fengxia, Zhang Chong, Bie Xiaomei, Cao Guoqiang and Lu Zhaoxin Improvement of Fengycin Production by <i>Bacillus amyloliquefaciens</i> via Promoter Replacement at the Fengycin Operon with the P_{59} and P_{repU} Promoters
1079-1086	Parastoo Chamanrokh, Mohammad Hassan Shahhosseiny, Mahnaz Mazaheri Assadi, Taher Nejadsattari and Davoud Esmaili A Comparison of Loop-Mediated Isothermal Amplification (LAMP) with PCR and Rapid Urease Test (RUT) to Detect <i>Helicobacter pylori</i> in Biopsy Samples
1087-1093	Hossein Rastegar, Hamid Reza Ahmadi Ashtiani, Shabnam Heydarzadeh Khoyi, Mehdi Hedayati, Orkide Ghorban Dadras, Hediyeh Rassam, Farinaz Rashed Marandi and Siavash Mirzaei The Biological Influence of <i>Salmonella enterica</i> Lipopolysaccharide on Excretion of Inflammatory Mediators by Fibroblasts in an <i>in vitro</i> Wound Healing Model
1095-1099	Sujata Chavan and M.M.V. Baig Purification and Characterization of an Extracellular Pectinolytic Enzymes Synthesized by <i>Xanthomonas</i> sp
1101-1107	Reena Kulshrestha, Deepti Chaurasia, T.S. Srinivas and Vishwaprakash Roy Comparison of the Serum Immunoglobulin IgG level in Diabetic and Non-Diabetic Patients of RCDSR having Periodontitis
1109-1114	G.B. Chopada and Pushpendra Singh Cultural and Morphological Varaiability among <i>Fusarium oxysporum</i> f.sp. <i>Lycopersici</i> causing Wilt of Tomato under South Gujarat, India
1115-1118	Shalini Nair and B. Valentin Bhimba Antimicrobial Activity of Cyanobacteria Isolated from Marine Water Resource
1119-1124	Shreya, R. Ananya, H. Rajashree and J.W. Osborne Isolation of Antimicrobial Compound Producing Bacterium from Pine Forest, Kodaikanal and Lake Water
1125-1132	S. Jemimah Naine, C. Subathra Devi, V. Mohanasrinivasan and B. Vaishnavi Screening for Antimicrobial and Antioxidant Property of <i>Streptomyces</i> sp VITJS3 Isolated from Bay of Bengal, Puducherry Coast of India

JOURNAL OF PURE AND APPLIED MICROBIOLOGY

Volume 08, Number 02

April 2014

1133-1136	A. Bazmani, M. Khanmohammadi, S. Khadem Nakhjiri, MR. Shahbazi, H.R. Ramazanipoor, M. Bafandeh, A. Rasouli and A. Shahbazi Diversity of Merozoite Surface Protein-3α Gene of <i>Plasmodium vivax</i> in Isolates from Sistan and Bluchestan Provinces in Iran
1137-1143	Youngjae Cho, Jisun Sun, Iel Soo Bang and Tae-Wook Hahn Attenuated Virulence and Protective Efficacy of a Vaccine with Multiple mutated Salmonella enterica Serovar Typhimurium in Mouse
1145-1152	Barka Mohammed Salih, Azzi Noureddine, Bendimerad Khatib and Kihal Mebrouk Prevalence and Characterization of Virulence Genes Toxin-producing <i>Escherichia coli</i> Enterohemorragic 0157:H7 Strain Isolated from Frozen Imported Bovine Meat in Algeria
1153-1156	N. Costanzo, E. Sarno and A.M.L. Santoro Microbiological Quality of Carcasses from Healthy Slaughtered Ostriches (<i>Struthio camelus</i>) in Southern Italy
1157-1165	Virginia Wambui, Abd El-Latif Hesham, Henry Ogola J.O. and Julius. M. Maina Molecular Genetic Identification and Phylogeny of New Bio-Ethanol Producing Yeast Isolated from Cheese Whey
1167-1172	He Chen, Yajuan Song, Ye Wang and Guowei Shu Effect of Cell Suspension-Alginate Ratio, Tween 80 and Oil-Water Ratio on Microcapsulation of <i>B. bifidum</i> BB01 and BB28
1173-1182	Jinous Refaei, Zeti Azura Mohamed Hussein and Jacinta Santhanam Diversity of Type I Polyketide Synthase Genes in a Bioactive <i>Phoma</i> sp. Endophytic Fungus Isolated from <i>Cinnamomum molissimum</i> in Malaysia
1183-1189	Li Dai-Huan, Wei Dong-Zhi and Lin Jin-Ping Kinetic Resolution of Racemic 1-phenyl-1,2-ethanediol Via <i>Gluconobacter oxydans</i> - catalyzed Asymmetric Bio-oxidation
1191-1196	Lin Wang, Jianhua Zhang, Fengxiang Wei, Xiaoguang Liu, Meili Yang, Xue Dong, Hui Wang, Yan Liu, Zhiwei Yang and Junxing Liu Investigations on the Inhibition Effects of 1,8-cineole against Microbial Biofilms
1197-1208	Hong-Xia Yu, Chun-Yan Wang, Hui Chen and Ming Tang Dynamics of Ectomycorrhizal Fungal Communities in a Chronosequence of <i>Pinus tabulaeformis</i> Plantations
1209-1216	Rongtao Fu, Mingjing Zhou, Chuanchun Yin, Aiping Zheng and Ping Li Karyotype Analysis and Research of Infection Process of <i>Rhizoctonia solani</i> AG-1 IC
1217-1223	Long Miao, He Runxia, Dong Shuang, Jing Wenying and Huang Kehe Genome Shuffling of <i>Saccharomyces cerevisiae</i> for Improving Thermotolerance and Glycerol Production
1225-1234	Zhisheng Yu, Wenfang Lin, Dongdong Chang, Hongxun Zhang and Yiming Zhang Identification and Characterization of a Newly Isolated Yeast <i>Issatchenkia orientalis</i> Able to Degrade Synthetic Dyes in Industrial Wastewater

April 2014

1235-1242	Rong Cheng, Rongbo Shu, Xiangwen Liao, Houming Liu and Changliang Wang Silver-catalyzed Bioleaching of a Low Grade Complex Nickel-copper Concentrate: Optimization of Process Variables by Response Surface Methodology
1243-1257	Olufunmiso O. Olajuyigbe and Anthony J. Afolayan A Comparative Effect of the Alcoholic and Aqueous Extracts of <i>Acacia mearnsii</i> De Wild on Protein Leakage, Lipid Leakage and Ultrastructural Changes in Some Selected Bacterial Strains as Possible Mechanisms of Antibacterial Action
1259-1264	Mohammad Reza Safari Motlagh Study of <i>Fusarium equiseti</i> , As Bicontrol Agent of <i>Echinochloa oryzicola</i> in Paddy Fields
1265-1274	Manal M. AlKhulaifi, Nagwa M. Aref, Ali A. AlSalamah and Mohammed. S. Al Shammary Correlation Between Phage Typing and Toxins Content as an Outbreak Tool in <i>Staphylococcus aureus</i>
1275-1282	Amal A. Al Hazzani, Afaf I. Shehata, Nadine M.S. Moubayed and Hadeel Jawad Al Houri Antimicrobial and Biochemical Properties of Selected Edible Brown and Red Marine Macroalgae
1283-1288	Avita K. Marihal, K.S. Jagadeesh and Sarita Sinha Biodegradation of Pentachlorophenol by Endophytic Bacteria Isolated from PCP-Tolerant Plant Species
1289-1298	Mohamed El-Zaidy, Mohamed Zayed, Sulaiman Alharbi, Abdullah Doaigey, Abdulaziz Al Sahli and Reda Ammar Micropropagation of Seven <i>Stevia rebaudiana</i> Bert. Genotypes Via Adult Leaf Explants
1299-1310	Nanjundan Jaivel, Ramasamy Rajesh, Chokkalingam Uvarani and Ponnusamy Marimuthu In vitro Antimicrobial Evaluation of Compound Derived from Streptomyces sp. TC1 against Xanthomonas oryzae pv. oryzae
1311-1319	Tranuk Somnate, Parichat Phumkhachorn and Pongsak Rattanachaikunsopon Potential of Virulent Bacteriophage as a Biocontrol Agent against <i>Salmonella</i> Typhimurium in Beverages
1321-1326	Sun Qiong Study of Fungus Community Compositions in Dunhuang Frescoes and Dominant Bacteria Reduction Mechanism
1327-1338	Bo Fu, Zhongling Li, Xin Guo, Bentao Xiong, Xingdu Chen and Weiwei Wang Physiological Characteristics and Phylogeny of Hydrogen-Oxidizing Bacteria in <i>Medicago sativa</i> Rhizosphere with Plant Growth Promoting Mechanism
1339-1351	Liangjie Sun, Yunshe Dong, Yuchun Qi, Yating He, Qin Peng, Xinchao Liu, Junqiang Jia, Shufang Guo and Congcong Cao Intra- and Inter-annual Variation of Soil Microbial and Enzymatic Response to Water and Nitrogen Addition in a Chinese Semi-arid Steppe

April 2014

1353-1359	Pei-pei Han, Bao-jiang Sun, Qi-xiu Pang and Shi-ru Jia Component Analysis of Microbial Extracellular Polymeric Substances Influencing Fluid Mud Anti-settlement Properties by Different Extraction Methods
1361-1367	Li Yafeng, Ma Chenxi and Bai Yuemeng Separation and Characterization of Dominant Strain in SBBR Denitrifying Phosphorous Removal System
1369-1377	Songping Hu, Tingting Pei, Jiexian Jiang, Yuanyuan Nie, Xiaoyu Wu, Fei Wang, Zhigang Wei, Haojie Liu, Lin Zhang, Bao Zhang, Lixia Qi and Xia Yu Cooperative Effect of <i>Microplitis</i> Sp and a Nuclear Polyhedrosis Virus on the Larvae of <i>Spodoptera litura</i>
1379-1385	Ming-Jun Chen, Yu-Mei Liu, Tao Song and Li Li Isolation and Characterization of a Newly Isolated Algicidal <i>Aeromonas</i> sp.
1387-1395	Wei Li, Guixian Yang, Yurong Wang, Zhenjing Li, Haiyan Cui and Changlu Wang Agrobacterium-Mediated Genetic Transformation and Regeneration of Low-Toxicity Variety of Castor (<i>Ricinus communis</i> L.)
1397-1405	Sainan Li, Zhaofei Li and Yi Pang Characterization of the Major Nucleocapsid Gene vp39 of <i>Spodoptera</i> <i>litura nucleopolyhedrovirus</i>
1407-1414	Feng Lei, Xu Jie, Zhang Xu Dong and Li Run Dong The Hydrolysis Kinetics of Kitchen Waste and Each of Its Components in Sequencing Batch Anaerobic Digestion
1415-1421	Xiaolin Tang, Yuesheng Tong, Shibin Wang, Aizheng Chen, Wenguo Wu and Yuangang Liu Co-microencapsulation Technology to Improve Cell Viability
1423-1432	Ming Wang, Bin Li, Yang Yang, Jing Liu, Yongmin Qiao and Li Li Section Division of a Large River Main Stream Based on Bio-monitoring: A Case Study in the Dongjiang River, China
1433-1438	Xinping Yi, Xiaojing Ma, Feng Ye, Wenxi Gu, Tuerhong Nuer, Yang Zhang and Qi Zhong Management of an Outbreak of Brucellosis due to <i>B. melitensis</i> in Dairy Cattle
1439-1446	Yuan Yi, Huang Yong, Li Xiang, Deng Huiping, Zhen Yuhui and Pan Yang The Nitrogen Conversion Characteristics of ANAMMOX Sludge After Long-Term Preservation
1447-1452	Xiao Shu, Wei Zhang, Jinlong Yu, Shaowen Wu, Yanling Ma, Minzhe Zhu, Sisi Xia, Shichao Xia, Hao Zhang, Aiying Li and Chao Qi Possible Negative Regulatory Effects of Antibiotic Production in a Hetrologous System by Sare_4854, a Novel Member of <i>Streptomyces</i> Antibiotic Regulatory Protein Family (SARP) from a Marine Microorganism <i>Salinispora arenicola</i> CNH643 DSM 44819
1453-1459	Zhen Huang, Xiaowei Ma, Suzhu Chen, Feng Huang and Zuxin Huang Analysis of the Diversity of Oral Bacteria in Young Adults with Chronic Periodontitis

April 2014

CONTENTS

1461-1466	Jia Liu, Mingjie Shao, Qiquan Wan, Qifa Ye and Jiandang Zhou Clinical Manifestation, Distribution and Resistance of Pathogen causing Bacteremias Following Solid Organ Transplantation: A Clinical Analysis of 149 Patients
1467-1474	Zhengliang Yu, Chao Liu, Sunlin Hu, Jian Zhao, Huipin Wang, Yu Zhou, Ling Chen, Weibing Xie and Huijun Wang PCR - Capillary Electrophoresis is a New Method for Forensic Diatom Testing
1475-1482	Yong Li and Rui Zhao Study on Denitrification Performances of Anaerobic Ammonium Oxidation and Its Influencing Factors in an Up-flow Anaerobic Sludge Bed Reactor
1483-1492	HU Xia, Yin Peng, Liao Jin-Hua and Wu Yan Effects of Snowpack and Nutrient Addition on Soil Microbial Growth and Activity in the Alpine Belt of the Eastern Tibetan Plateau*
1493-1503	Yang Guo, Pengfei Yi, Tao Zhang, Xinyi Zhu, Ge Hu, Hong Dong, Daixun Jiang, Huiqin Duan, Jianfang Wang, Xiang Mu and Xubin Wei Purified Suilysin Secreted by <i>Streptococcus suis</i> Serotype 2 Induce Interleukin-6 by Rat Brain Microvascular Endothelial Cells
1505-1510	Anima Nanda and Shahnaz Majeed Biosynthesis of Silver Nanoparticles from <i>Penicillium spinulosum</i> (MTCC-4952) and Evaluation of their Antibacterial Activity in Combination with Amoxicillin and Ofloxacin
1511-1521	Zhen-Mei Li, Zi-Hao Sun, Hong-Ling Wen, Bin Lin, Fu-Lu Chu, Guo-Hong Li and Zhi-Yu Wang Protective Immune Response in BALB/c Mice Induced by the E ₇₂₋₂₉₆ Protein of Rubella Virus
1523-1534	Songping Hu, Zhigang Wei, Sixiang Zheng, Yuanyauan Nie, Lin Zhang, Tingting Pei and Xia Yu Resistance Analysis of Lilium Oriental on Bulb Rot
1535-1545	Bishwambhar Mishra and Suneetha V. Strain Improvement and Statistical Analysis of Pullulan Producing strain of <i>Aspergillus japonicus</i> -VIT-SB1 for Maximum Yield
1547-1557	Van Duy Nguyen, Thu Thuy Pham and Ngoc Minh Quynh Pham Two Novel Strains of Bacteriocin-Producing <i>Lactobacillus plantarum</i> and their Application as Biopreservative in Chill-stored Fresh Cobia Meat
1559-1567	Aabid Hussain Lone, K.P. Raverkar, Navneet Pareek and Ramesh Chandra Response of Soil Microbial Communities to the Selective Herbicides: A Microcosm Approach
1569-1577	Mithilesh Singh, Tapas Kumar Goswami and Kuleep Dhama Evaluation of Protective Efficacy of Salmonella flagellin as Vaccine Antigen

1579-1583 H.K. Khuntia, B.B. Pal, C.P. Khuntia, B.L. Biswal and S.K. Kar Cholera Outbreak Due to *V. cholerae* O1 El Tor Variant in Odisha, India 2011: At the Edge of the Eighth Pandemic JOURNAL OF PURE AND APPLIED MICROBIOLOGY

Volume 08, Number 02

April 2014

1585-1590	Bibhuti Bhusan Pal, Anima Mohanty, Hemant Kumar Khuntia, Surya Kanta Samal, Rudra Prasad Jena and Santanu Kumar Kar Incidence of Different Bacterial Pathogens Associated with Hospitalized Septic Patients from Bhubaneswar
1591-1595	Saleh A. Eifan and Hamed A.K. Mohamed Seroprevalence of Hepatitis B and C Virus in Premarital Screening Program in and around Albaha Region of Saudi Arabia
1597-1602	M. Nisa Unaldi Coral and Aydil Yildirim Effect of Domoic Acid on Growth and Heavy Metal Tolerance of Some Marine Bacteria Isolated from Samandag Shore and Iskenderun Bay
1603-1609	Iffat Siddiqui, Najat A. Bokhari, Kahkashan Perveen and Mona S. Alwahibi Phytochemicals of <i>Melia azedarach</i> Inhibiting the Growth of <i>Rhizoctonia solani</i>
1611-1618	Zeinab Hassan Kheiralla, Mostafa Abdelnasser, Abeer Ahmed Rushdy and Amal
	Sabry Othman The Efficacy of Combination of Disinfectants or Antiseptics in Overcoming Methicillin- resistant <i>Staphylococcus aureus</i>
1619-1625	Mingfang He, Kaijie Tang, Bohua Wang, Maohua Qu, Liping Lin, Yu Zong Chen
	and Weiping Chen Optimization of Culture Conditions of <i>Bacillus subtilis natto</i> and Preparation of Freeze- Dried Powders as a Potentially Novel Antithrombotic Probiotic
1627-1633	Lei Guo, Wencheng Zhu and Anqi Zheng Identification and Fermentation Optimization of an Antibacterial Aspergillus tubingensis Associated with the Crab Portunus triuberbuculatus
1635-1643	Zhu Li, Song Liu, Yuan Song, Wu-Juan Liu, Xue Chen, Qiang Wang, Yong-Yi Ge,
	Miao-Xiao Shi and Yi Jin Optimization of Medium Composition for Antibacterial Substance Production by Aspergillus niger xj using Response Surface Methodology
1645-1656	Yue Wu, Lijun Pan, Shuo Li, Shaotong Jiang, Xingjiang Li Production of Malate from Xylose with <i>Aspergillus parasiticus</i>
1657-1667	Yu Wang, Hui Li, Changchun Nie, Qingming Zhang, Daming Hu, Gensheng Ding, Fang Wang, Kai Duan and Bin Lian Application of Microbial Fermentation Products Extracted from Maotai Daqu in Tobacco Sheets
1669-1674	Tong Wu, Di Kong, Liqing Sun, Chen Guo, Mingjing Sun and Kai Zhao Identification of a Nitrogen Fixation Endophyte from <i>Odontotermes formosanus</i>
1675-1685	Yan Liu, Min Song, Wanxia Peng, Tongqing Song, Fu-ping Zeng, Hu Du
	and Desuo Cai Dynamics of Soil Microbial Properties following Land Utilization Types in a Karst Region, Southwest China
1687-1692	Tengfei Wang, Kun Dai, Hongjuan Liu, Shiru Jia and Ruiming Wang Cloning and expression of a Trehalose Synthase from <i>Pseudomonas putida</i> KT2440 in <i>Bacillus subtilis</i> W800N for the production of Trehalose