June 2013

821-827	Haiqing Tang, Chongrong Ou and Xiaodong Zheng Statistical Optimization of Medium Composition for Alginate Lyase Production by <i>Pseudoalteromonas tetraodonis</i> Strain QZ-4 using Response Surface Methodology
829-835	Yohan Yoon, Young Min Yoon, Jae-Hun Kim and Ju-Woon Lee Modeling <i>Salmonella</i> Growth in Irradiated Pork for Specific Target Groups and Patients at Isothermal and Dynamic Temperature
837-843	Viboon Pongkanpai, Warapa Makakarnchanakul & Wunwiboon Garnjanagoonchorn Acid and Heat Tolerance of Acid-stressed <i>Listeria monocytogenes</i> Inoculated in Broth and Shrimp Model
845-852	Xiaoli Tan, Zhongyan Ma, Huan Li, Honghua Jia, Ping Wei, Zhiyan Zhang, Zheng Wang and Donghua Zhao Characterization of the Growth, Quality and Antibiotics Inhibition in <i>Scenedesmus obliquus</i>
853-861	Kiran B. Uppuluri, Avinash Seelam, P. Stephen Sudershan, Karumathil Sudeesh and Mohan Kalyan R. Konduri Response Surface Methodology for the Optimization of L-asparaginase Production from Isolated <i>Micrococcus luteus bec 24</i>
863-869	Wen-Bing Gong, Yin-Bing Bian, Rui Xu and Yang Xiao Genetic Relationship between Growth Rate, Biomass, Germination Period and Mating Type of Monokaryons in <i>Lentinula edodes</i>
871-879	Rong Cheng, Rongbo Shu, Xiangwen Liao, Houming Liu and Changliang Wang Optimization of Bioleaching Conditions of a Low Grade Complex Nickel-copper Concentrate using Response Surface Methodology
881-890	Kalaivani Nadarajah and Tan Shi Tian Isolation and Identification of Catechol Degrading Bacteria
891-898	Daye Huang, Yanxia Shi, Xuewen Xie, Weiping Wang and Baoju Li Sensitivity of <i>Corynespora cassiicola</i> to Carbendazim and Diethofencarb
899-904	Rashed Noor, Zahidul Islam, Saurab Kishore Munshi and Farjana Rahman Influence of Temperature on <i>Escherichia coli</i> Growth in Different Culture Media
905-912	<b>O.O. Adeyemi, A. Basson, M. Tom, A. Clarke and A.I. Okoh</b> Multi-drug Resistance in <i>Stenotrophomonas maltophilia</i> Isolated from Nkonkobe Municipality Environment in the Eastern Cape Province, South Africa
913-918	<b>Younes Ghasemi, Zahra Dehdari, Milad Mohkam and Mohammad Kargar</b> Isolation and Optimization of Cultivation Conditions for Production of Chitinase by <i>Aeromonas</i> sp. ZD_05 from the Persian Gulf
919-925	Ying Yang, Lijuan Zhou, Bo Zhou and Yingliang Zhao The Horizontal Transfer of Genetic Elements of Antibiotic Resistance in Streptococcus thermophilus
927-931	Umar Farooq, Xiaoming Liu, Tariq Masud and Hao Zhang Probiotic Potential of <i>Lactobacillus acidophilus</i> Strains Isolated from <i>Dahi</i> , A Traditional Fermented Milk Product

## JOURNAL OF PURE AND APPLIED MICROBIOLOGY

Volume 07, Number 02

June 2013

933-938	Abbas Shahbazi, Ardavan Ghazanchaei, Rasool Estakhri, Behrooz Naghili, Manuchehr Nourazarian, Behrooz Poorasghari, Abdolsamad Mazloumi Gavgani and Shahrokh Izadi A Molecular Study on Intestinal Microsporidiosis ( <i>Enterocytozoon bieneusi</i> and <i>Encephalitozoon intestinalis</i> ) in Renal Transplant Patients in Tabriz.
939-945	Sulaiman Ali AL Yousef Methicillin-resistant <i>Staphylococcus aureus</i> Phages: Isolation and Identification
947-956	Fatemeh Mirershadi, Alireza Jafari, Elham Janati, Elham Roohi and Mehrdad Sarabi Ag/ZnO Nano-composites as Novel Antibacterial Agent against Strain of MRSA
957-963	Ramezan Ali Ataee, Davoude Esmaeili and Rahim- Mansuor Khanshan Heterologous Expression of Staphylococcal Enterotoxin E Gene
965-971	<b>S. Melvin Samuel, Visenuo Aiko, Pragyanshree Panda and Alka Mehta</b> Aflatoxin B <sub>1</sub> Occurrence, Biosynthesis and its Degradation
973-980	Anthony A. Adegoke, Amos O. Komolafe and Olayinka A. Aiyegoro Rare Bacterial Meningitis among Hospitalized Children in a Teaching Hospital
981-985	P. Savitha, M.N. Sreenivasa and Jones P. Nirmalnath Production of Plant Growth Hormones by Pink Pigmented Facultative Methylotrophs
987-996	Sharmila Tirumale, K. Soumya, G.L. Sreelatha and Krishnanand Purification and Kinetic Studies of Exo- $\beta$ -1, 4- glucanase and Endo- $\beta$ -1,4-glucanase from a New Strain of <i>Clostridium papyrosolvens</i>
997-1001	Vianey Méndez-Trujillo, Emmanuel Vargas-Bejarano, Juan Carlos Vázquez-Angulo, Daniel González-Mendoza, Onecimo Grimaldo-Juarez, Rosalba Troncoso-Rojas and Esau Ruiz-Sanchez Development Physiological and Stimulation of Roots Architecture in <i>Cucumis sativus</i> L., Plants Inoculated with <i>Trichoderma longibrachiatum</i>
1003-1009	<b>B. Jasim, Sabu Rohini, C. Anisha, C. Jimtha John, Mathew Jyothis and</b> <b>E.K. Radhakrishnan</b> Antifungal and Plant Growth Promoting Properties of Endophytic <i>Pseudomonas aeruginosa</i> from <i>Zingiber officinale</i>
1011-1018	Yeon-Hee Kim, Jeong Hwan Kim, Hyung-Joo Jin and Si Young Lee Antimicrobial Activity of Ethanol Extracts of <i>Rosmarinus officinalis</i> against Oral Microorganisms
1019-1026	Misba Khan, Showkat Ahmad Ganie, Ishfak Hussain Wani, Bashir Ahmad Ganai, Akhter Hussain Malik, Mohammad Afzal Zargar, Akbar Masood and Rabia Hamid Antimicrobial Potentiality of <i>Elsholtzia densa</i> against Pathogenic Bacterial and Fungal Strains
1027-1033	<b>Syed Baker and S. Satish</b> Antimicrobial Evaluation of Fluorescent <i>Pseudomonas</i> sp. Inhabiting Medicinal Plant <i>Annona squamosa</i> L.
1035-1042	<b>Umar Farooq, Xiaoming Liu and Hao Zhang</b> Pearl Millet ( <i>Pennisetum glaucum</i> ) Fibre Fractions; A New Substrate for the Growth of Co-cultures of Probiotics

June 2013

1043-1046	Thanawat Sutjaritvorakul, Anthony J.S. Whalley, Sophon Roengsumran and Prakitsin Sihanonth Solubilization and Accumulation of Insoluble Zinc and Lead Compounds by Fungi Isolated from Zinc Mine
1047-1053	Abd El-Rahim M.A. El-Samawaty, Mohamed A. Moslem, Mohamed A. Yassin, Shaban R.M. Sayed and Mohamed S. El-Shikh Control of Grape Blue Molding Penicillia by <i>Allium sativum</i>
1055-1063	<b>Penduka Dambudzo and Okoh I. Anthony</b> Antibacterial Potentials of the Crude Dichloromethane Extract of <i>Garcinia kola</i> (Heckle) Seeds against some <i>Listeria</i> species Isolated from Wastewater Effluents
1065-1070	Maryam Ramtin, Mohammad Reza Majid Khoshkholgh Pahlaviani, Alireza Massiha, Khosro Issazadeh and Somayyeh Heidari Comparative Evaluation of the Antibacterial Activities of Essential Oils of <i>Iris pseudacorus</i> and <i>Urtica dioica</i> Native North of Iran
1071-1077	Hend A. Alwathnani and Kahkashan Perveen Evaluation of Antifungal Potential of <i>Dunaliella salina</i> and <i>Phormidium autumnale</i> against Plant Pathogenic Fungi
1079-1086	Ali Bahkali, Abd El-Rahim M.A. El-Samawaty, Mohamed A. Yassin, Medhat A. El-Naggar and Mohamed H. Mahmoud Toxigenic Fungal Biota Associated with Walnut in Saudi Arabia
1087-1092	Hongxia Zhu, Yongtao Zuo, Cuiwei Qiu, Xiaolin Wang, Yu Zhang, Jinwen Shen and Liyou Qiu Promotion of the Growth and Yield in <i>Pleurotus ostreatus</i> by <i>Bradyrhizobium japonicum</i>
1093-1097	A.A. Al-Qarawi, E.F. Abd-Allah and A.A. Bawadiji Production of <i>Pleurotus ostreatus</i> on Date Palm Residues
1099-1106	Rajender Singh, O.P. Ahlawat and Anita Rajor Potential of Spent Substrate of <i>Pleurotus sajor-caju</i> for Methyl violet 2B Decolorization
1107-1111	Abbas Jafari, Abbas Doosti, Asghar Arshi, and Payam Ghasemi Dehkordi Molecular Detection of Bacteria in Activated Sludge from Municipal Wastewater of Cold Climate Regions
1113-1119	Ramezan Ali Ataee, Zyenab Mohoseni-Moghadam, Ahmad Salimzadeh, Ali Mohammad Latifi, Mohamad Hossein Ataee and Gholam Hossein Alishiri Enzyme-linked Immunosorbent Assay for Detection of Staphylococcal Enterotoxins in Synovial Fluid of Rheumatoid Arthritis Pateints
1121-1129	Ahmed Abdel-Megeed Controlling of <i>Pseudomonas syringae</i> by Nanoparticles Produced by <i>Streptomyces bikiniensis</i>
1131-1140	S. Karthick Raja Namasivayam and S.Ganesh Evaluation of Improved Antibacterial Activity of Chitosan Coated Silver Nanoparticles- Azithromycin Nanoconjugate against Clinical Isolate of Human Pathogenic Bacteria

June 2013

1141-1144	A.K. Muduli, S.B. Mohapatra and B.K. Das Red-ochre Pigment Production by <i>Fusarium</i> spp. on Co-cultivation with <i>Bacillus subtilis</i>
1145-1149	Arghavan Chaibakhsh, Khosro Issazadeh, Sara Kazemi Rad and Mahnaz Farahmand Effects of Culture Conditions on PHB Synthesis by <i>Bacillus subtilis</i>
1151-1157	<b>Spandan Chaudhary, Navin Srivastava, Harpat Singh Rathore, Kalpesh Katudia,</b> <b>Vinay Kumar, Kanak Vaidya and Surendra K. Chikara</b> Isolation of High Quality Total RNA for Transcriptome Study from Thermally Stressed Culture of <i>Klebsiella pneumoniae</i> Containing Exogenous RNase Activity
1159-1164	Abdurahman H. Hirad, Ali H. Bahkali, Mohamed A. Khiyami, Abdallah M. Elgorban and Basheer A. Al-Sum Antimicrobial Activity of Marine Microorganisms Isolated from the Coast of the Arabian Gulf
1165-1169	Suhani Bashir Bhat, Aarif Muhammad Khan, Showkeen Muzamil Bashir and S.S. Roy Isolation and Antibiogram Profile of <i>Aeromonas</i> species from Common Carp (Fish) of Kashmir Valley
1171-1176	Wei Hou, Xue-Gang Luo, Zhao Han, Cai-Ju Zhou and Tong-Cun Zhang The Inhibitory Effects of <i>Lactobacillus casei</i> 1.2435-Fermented Milk against Angiotensin-I-Converting Enzyme
1177-1188	Iraj Pakzad, Hassan Hosseinzadehgan, Hamid Abtahi, Morevat Taherikalani, Farid Azizi Jalilian, Nourkhoda Sadeghifard, Sobhan Ghafourian, Mohammad Zainli and Parizad Jamshidzadeh Human Brucellosis in Iran: Incidence, Complication, Diagnosis, Treatment and Prevention
1189-1206	Sibanda Timothy and Okoh I. Anthony Water Quality Deterioration and its Socio-economic Implications
1207-1212	Zi F. Shang, Dai D. Fan, Jian J. Deng, Pei Ma, Xiaoxuan Ma and Yu Mi Optimization of Fermentation Medium for Cell Yield of Recombinant <i>Pichia pastoris</i> during Growth Stage using Response Surface Methodology
1213-1219	Xiaojun Liang, Le Guo, Junli Zhang, Kunmei Liu, Jifeng Ma, Jiandong Wang, Xiulan Xie and Guangxian Xu Development of TaqMan MGB Fluorescent Real-time PCR Assay for the Rapid Detection of <i>Chlamydia psittaci</i> in Cattle
1221-1225	<b>Tengfei Wang, Lei Lv and Ruiming Wang</b> Microbial Effects on Sesame-Flavor Liquor Accumulation
1227-1232	Wenlai Xu, Guo Liu, Guangyao Cui and Jun Luo Relationship Between Microbiologic Properties and Short-cut Nitrification and Denitrification in Constructed Rapid Infiltration System
1233-1236	Songbai Zhang, Deyong Zhang, Yong Liu, Xiangwen Luo, Ju'e Cheng and Jing Peng Metabolic Pathway of Fenpropathrin By <i>Rhodopseudomonas palustris</i> PSB07-19

June 2013

1237-1244	Wanxi Peng, Zhi Lin, Junbo Chang, Fangliang Gu, Xiangwei Zhu and Zhongfeng Zhang Immunology Molecular Characteristics of BSJY Extractives from <i>Illicium verum</i> Biomass
1245-1250	Li Wei, Xin-yan Liu,Fang Ma,Chun-ying Li and Zhen Zhao Phylogenetic Characterization and Function Verification of an Anaerobic Strain SN9 with Simultaneous Capabilities of Denitrification and Sulfate Reduction
1251-1254	Jie Gao, Ling Zhang and Peixuan Jin Forecasting Influenza Epidemic based on Mutation Probability of HA/NA Protein
1255-1262	Wang Yang, Liu Guorong, Gao Yang, Gui Meng and Li Ping-lan Influence of High Hydrostatic Pressure on Microbial Growth and Shelf-life of Vacuum-Packed Sliced Ham
1263-1268	Mudit Mishra, Jeny Singh Paliwal, Suneet Kumar Singh, E Selvarajan, C. Subathradevi and V. Mohanasrinivasan Studies on the Inhibitory Activity of Biologically Synthesized and Characterized Zinc Oxide Nanoparticles using <i>Lactobacillus sporogens</i> against <i>Staphylococcus aureus</i>
1269-1277	Quanmin Bu, Zhanjun Wang and Xing Tong Research on the Development and Application of Oily Wastewater Biological Treatment Technology
1279-1283	Tang Xiao-long, Liu Peng, Cai Shu-yu, Hu Le-lin, Jiang Zhen-you, Chen Chen, Chen Jia, Wu Xian-Lin and Chen Xiao-Yin Roseomonas mucosa Isolated from Bloodstream of the MDS Patient
1285-1293	Li Qiu-fen, Jiang Wei-wei, Liu Huai-de and Li Xiao-long Establishment of Real-time Quantitative PCR Method for <i>Vibrio parahaemolyticus</i> in Sediment of the <i>Stichopus japonicus</i> Culture Pond
1295-1298	<b>Tengfei Wang, Xiang Zhang, Xiaohui Yang and Ruiming Wang</b> Comparison of the Biosynthetic Pathway of 10-Hydroxy-2-Decenoic Acid between Microorganisms and <i>Apis mellifera</i>
1299-1305	Liu Yang, Liwei Tian, Kuyuan Hu and Yunlong Zhu Computational Foraging in Bacterial Colony over Composition Environments
1307-1312	Sun Hua, Ju Jie, Xie Li, Wu Qun and Fengxiang Han Biological Effects of Reformative Red Soils Degenerated from Heavy Metal Pollution
1313-1316	Hongxiang Chai and Wei Chen Effect of Salinity on Anaerobic Sequencing Batch Biofilm Reactor Treating Industrial Wastewater
1317-1323	Xiaodan Qi, Haitao Yu, Yan Sun, Hao Cheng and Chunjing Zhang The Impact of Baicalin on Influenza Virus Gene Replication and Oxidative-Stress Damage
1325-1330	<b>Zhen Zhao, Li Wei, Fang Ma, Chun-ying Li and Xin-yan Liu</b> Microbial Community Analysis in the Fresh Panda ( <i>Ailuropoda melanoleuca</i> ) Excrement of Six Months Old

JOURNAL OF PURE AND APPLIED MICROBIOLOGY

Volume 07, Number 02

June 2013

1331-1338	He Huang, Juanli Zhu, Huijuan Wang and Chao Chen Expression and Enzymatic Analysis of the Human Cytochrome CYP1A2 in Saccharomyces cerevisiae
1339-1343	Fulin Zhang, Jun Shi, Yinnan He and Huiping Deng Identification of Bacterial Populations in Integrated PAC/UF System for Ammonia Nitrogen Removal in Drinking Water Treatment
1345-1349	Wanxi Peng, Lansheng Wang, Minglong Zhang and Zhi Lin Molecule Characteristics of <i>Eucalyptus</i> Hemicelluloses for Medical Microbiology
1351-1365	Al-Arfaj A., Abdel-Megeed A., Ali H.M. and Al-Shahrani O. Phyto-Microbial Degradation of Glyphosate in Riyadh Area
1367-1371	CAG Yasemin, Gencer Serap, AK. Oznur, CAG Yakup and Ozer Serdar Investigation of Linezolid, Daptomycin, Quinupristin-Dalfopristin and Tigecycline Susceptibilities against Vancomycin Resistant Enterococcus Isolates
1373-1378	Sobhy M. Yakout, Sherif H. Abd-Alrahman, Mounir M. Salem-Bekhit and A. Mostafa Chemical Characterization and Antibacterial Activity of Ethanolic Extract of <i>Trigonella foenum-graecum</i> (Fenugreek) Seeds
1379-1382	Ramin Afrasyabi, Leila Modiri, Khosro Issazadeh, Reza Kazemi Darsanaki and Alireza Masiha Prevalence and Antibiotic Susceptibility Pattern of <i>Staphylococcus aureus</i> Isolated from Personnel and Patients in Roudbar Hospitals (Northern Iran)
1383-1390	Nina Seyedrazi, Seyed Hadi Razavi and Zahra Emam-Djomeh Modeling Colour Degradation of Canthaxanthin Produced by <i>Dietzia natronolimnaea</i> HS-1 using Response Surface Optimization: Effect of pH and Treatment Time
1391-1400	Abbas M. Al-Azab, Khalid M. Al-ghamdi, Khalid Al-hudaib, Ahmed A. Zaituon, Mohamed A. Shaheen and Wael El-Araby Morphological and Molecular Identification of Dengue Fever Vector <i>Aedes aegypti</i> (Diptera: Culicidae) in Jeddah Governorate-Saudi Arabia
1401-1407	<b>A.S. Yadav and Sandeep Kumar</b> Screening, Characterization and Role of Poly-β-hydroxybutyrate (PHB) Production in Nitrogen-Fixing Bacteria
1409-1415	<b>Jyoti Singh, Shivesh Sharma, Seema Nara and Shikha Devi</b> Harnessing Bacterial Indicators along with Physicochemical Parameters to Assess Pollution in the Ganges River
1417-1425	Kahkashan Perveen, Humaira Rizwana and Shaista Arzoo A Study on the Mycoflora of Fried, Roasted and Raw Peanuts available in Local Markets of Riyadh (Saudi Arabia)
1427-1430	M.P. Saraswathy, Santhosh B. Patil, Baskaran, U.M. Dhanalekshmi and H. Shankar Narayana Hepatitis C Virus and Hepatitis B Virus Infection in Patients and Staff of Haemodialysis Unit- A Report from Chennai

June 2013

### CONTENTS

1431-1435	Banu Kaskatepe and Sulhiye Yildiz In Vitro Development of Resistance to Subinhibitory Concentrations of Ciprofloxacin and Levofloxacin in Uropathogen Escherichia coli
1437-1440	Samiraj Ramesh, Satish Kumar Rajasekharan, Vinoth Jothiprakasam, Ramaraj Elangomathavan and Subban Patharajan A novel AAA ATPase exon1-specific Primer for Detection of <i>Aspergillus niger</i> Isolated from Various Food Sources using SYBR® Green Real Time PCR ± Assay
1441-1445	Ratan Singh, Amar Jyoti Das, Sabita Pokhrel and Preeti Gautam Biodegradation of Pyrene by Bacterial Strain Isolated from Petroleum Sludge Collected from Barauni Oil Refinery, Begusari, Bihar (India)
1447-1450	<b>Ciamak Ghazaei</b> Neuraminidase Function in Bacteria as a Virulence Factor
1451-1454	<b>S.A. Iqbal and E. H. El-Mosalaamy</b> Antimicrobial Studies of Sulphasomidine and its Comparison with Transition Metal Complexes
1455-1456	<b>P. Kharbanda, N. Duggal, R.K. Mahajan, P. Chaskar and C. Hans</b> Changing Antimicrobial Susceptibility of <i>Salmonella</i> Isolates: A Retrospective Study of 3 year (2008-2010) from a Tertiary Care Hospital
1457-1462	<b>S.M. More, A. Vinod Shinde and B. Sunanda More</b> Study of Antagonistic Action of Antifungal Compound Produced by <i>Bacillus licheniformis</i>
1463-1466	<b>K.P. Suresh Naik, Narayana S. Mavarkar, T. Basavaraj Naik and N. Krishnamurthy</b> Soil Microbial Population and Yield of Rainfed Maize ( <i>Zea mays</i> L.) influenced by Application Farmyard Manure and Biodigester Liquid Manure
1467-1470	Preeti Madan, Vijay Jain, R.K. Mahajan, Shweta Sharma, Nandini Duggal, Charoo Hans and R.K. Arya Salmonella Septic Arthritis in a 3 year Old Immunocompetent Child
1471-1474	Suman Patil and S.K. Sarangi Isolation of Microorganisms from Gold Tailing Sample
1475-1478	P. Shanmugapriya, G. J.Christian, R. Vajrai, P. Brindha, S. Elansekaran, M. Murugesan, M. Logamanian and K. Manickavasakam Antimicrobial Efficacy of Gandhagam (Raw Sulphur), Purified Gandhagam and Gandhaga Mezhugu - A Traditional Siddha Formulation
1479-1484	C. Baragundi Mahesh, K. Gokale Shilpa, S. Solabannavar Shivakumar and B. Kulkarni Ramakant

Prevalence of Intestinal Parasitic Infections Among HIV Infected Individuals