

CONTENTS

- 1489-1496** **Weihua Zhu, Yu Cao, Wei Li, Bomiao Cui, Qiaofu Yi, Qin Zhao, Hui Xu, Dairong Qiao and Yi Cao**
The Error-prone PCR of α -amylase from *Bacillus amyloliquefaciens* Toward Enhanced Acid Tolerance and Higher Specific Activity
- 1497-1504** **Yue Wang, Xue-Gang Luo, Xiu-Mei Li and Tong-Cun Zhang**
Production of D-tagatose with Recombinant *Escherichia coli* Strain Secreting β -galactosidase and L-arabinose isomerase from *E. coli* K-12
- 1505-1513** **Andreia Ribeiro, Elmano Ramalheira, Angela Cunha, Newton C. M. Gomes and Adelaide Almeida**
Incidence of Rotavirus and Adenovirus: Detection by Molecular and Immunological Methods in Human Faeces
- 1515-1523** **Hui-Ying Yu and Xin Li**
Characterization of Extracellular beta-amylase and Serine Metalloprotease from a Halophilic Isolate, *Halobacillus* sp. LY4
- 1525-1534** **I. Darah, C.B. Ong, K. Jain and S.H. Lim**
Enhancement of Tannase Production on Submerged Fermentation by Red Yeast *Rhodotorula glutinis* DB2
- 1535-1546** **Sabina Fijan, Urska Rozman and Sonja Sostar Turk**
Comparing the Detection of Various Microorganisms on Metal and Glass Surfaces Using Incubation Methods on Selective Agars, Modified PCR Methods and Simultaneous Detection by A Unified Parallel PCR Method
- 1547-1557** **Zahra Nilchian, Sayed H. Razavi and Ebrahim Rahimi**
Microbial, Chemical, Textural and Organoleptic Properties of Iranian Fermented Cucumbers by *L. plantarum*
- 1559-1566** **Abbas Bahador, Abdollah Bazargani, Mohammad Taheri, Zahra Hashemizadeh, Azad Khaledi, Hossein Rostami and Davood Esmaili**
Clonal Lineages and Virulence Factors among *Acinetobacter baumannii* Isolated from Southwest of Iran
- 1567-1575** **Meltem Asan Ozusaglam, Yavuz Selim Cakmak and Murat Kaya**
The Biotechnological Potential of *Artemia salina* Fatty Acids
- 1577-1584** **Li Xinqi, Zhang Yan, Wang Xueyang, Gao Juan, Du Chang and Xu Jiaping**
Expression of *Bombyx mori* Cecropin B in Silkworm Larvae using BmNPV/Bac-to-Bac Expression System
- 1585-1599** **Mei-Ying Huang, Chia-Fang Lee, Shu-Ting Ho, Kin-Jong Lin & Chorng-Liang Pan**
High-Yield Levan Produced by *Bacillus licheniformis* FRI MY-55 in High-Sucrose Medium and Its Prebiotic Effect
- 1601-1613** **Mohammad Soltani, Hesam Kamyab and Hesham A. El-Enshasy**
Molecular Weight (Mw) and Monosaccharide Composition (MC): Two Major Factors Affecting the Therapeutic Action of Polysaccharides Extracted from *Cordyceps sinensis* - Mini Review

CONTENTS

- 1615-1624 Ming Qiao and Li-Ming Ouyang**
Recombinant Production of Alginate Lyase for Improved Stress Resistance in Plants
- 1625-1634 Fadime Kiran, Burcu Biler, Pelin Dogan and Ozlem Osmanagaoglu**
Characterization of a Bacteriocin Produced by *Pediococcus acidilactici* PBF and Its Plasmid Transfer by Electroporation
- 1635-1645 Fatimah Azzahra Ahmad Rashid, Rashidah Abdul Rahim, Darah Ibrahim, Anuradha Balan and Noor Mazuin Abu Bakar**
Purification and Properties of Thermostable Lipase from a Thermophilic Bacterium, *Bacillus licheniformis* IBRL-CHS2
- 1647-1654 Hai-Han Zhang, Ting-Lin Huang, Sheng-nan Chen, Lin Guo, Xiao Yang and Ting-ting Liu**
Spatial Pattern of Bacterial Community Functional Diversity in a Drinking Water Reservoir, Shaanxi Province, Northwest China
- 1655-1661 Bo Song, Yun Tang, Yi-Ling Hou and Xiang Ding**
Electrolytic Stimulation of Bacteria Metabolism
- 1663-1677 Sarah A Al-Rashed, Ibrahim A. Arif and Afaf I. Shehata**
16Sr RNA Gene Oligonucleotide Probes for Genetic Profiling of Hot Spring Cyanobacteria from Saudi Arabia
- 1679-1692 Mohamed A. Mahmoud, Monira R. Al-Othman and Abeer R.M. Abd El- Aziz**
Genetic Diversity of Aflatoxin Producing *Aspergillus flavus* Contamination of Rice Grains from Saudi Arabia
- 1693-1705 Abd Allah A.A. El-Nagar, Ahmed M.B. Sabry and Mohamed A. Yassin**
Virulence and Host Range of *Sclerotium rolfsii* and *S. cepivorum*
- 1707-1715 Abir A. Gad and Ahmed A. Abdel-Megeed**
Physiological and Mutagenic Effects of Gram Negative and Positive Bacteria on the Last Larval Instar of *Bombyx mori* (Lepidoptera: Bombycidae)
- 1717-1724 Surasak Limsuwan, Sasitorn Chusri, Watcharapong Mitsuwan and Supayang Piyawan Voravuthikunchai**
Anti-quorum Sensing Activity of Medicinal Plants Used in Thai Traditional Medicine for Infections
- 1725-1730 Alireza Khodavandi, Nazira Adila Binti Tahzir, Poh Woon Cheng, Phelim Yong Voon Chen, Fahimeh Alizadeh, Nabil Saad Hrmal and Chong Pei Pei**
Antifungal Activity of *Rhizome coptidis* and *Alpinia galangal* against *Candida* species
- 1731-1736 Grace Tona, Oyebamiji Oyegoke, Sadiq Ademola and Jelili Akinlade**
Chemical and Bacteriological Assessment of Soft Cheese Prepared from Raw Cow Milk in Ogbomoso, Nigeria
- 1737-1742 Megga Ratnasari Pikoli, Pingkan Aditiawati, Akhmaloka and Dea Indriani Astuti**
DNA Extraction of Mixed Culture Bacteria from Coal-Soil Mixture Cultured by Sequential Enrichment

CONTENTS

- 1743-1748 **Cesar Alvarez-Mejia, Gustavo Hernandez-Guzman, Everardo Curiel-Quesada and Rodolfo Marsch**
The Use of Cell Density to Estimate the Bacterial Promoter Strength
- 1749-1756 **O.D. Akan, C.A. Etok and A.A Adegoke**
Bioremediation of Crude Oil Contaminated Soil using Wood Ash
- 1757-1762 **Sherif H. Abd-Alrahman, Zidan H. Zidan, Mohamed I. Abdel-Megeed, Monir M. Almaz, Mounir M. Salem-Bekhit, Sobhy M. Yakout and Mostafa A.A.**
Bioremediation of Water Contaminated with Fenitrothion and Butachlor using Microorganisms Isolated from Soil
- 1763-1768 **Sevil Toroglu, Dilek Keskin, Mehmet Yasar Dadandi and Kemal Yildiz**
Comparision of Antimicrobial Activity of *Silene laxa* Boiss. & Kotschy and *Silene caramanica* Boiss. & Heldr Different Extracts from Turkey
- 1769-1773 **Abeer Hashem and Elsayed F. Abd-Allah**
Natural Occurrence of Aflatoxin M₁ in Egyptian Milk and Cheese
- 1775-1780 **Abdullah A. Al-Arfaj, Khalid A. A. AbdelRahim and A. Abdel-Megeed**
Rapid Mini-Prep Isolation of High Quality Small and Large Plasmids from Phytopathogenic Gram Negative Bacteria
- 1781-1788 **Adnan Jameel Salama, Ahmed A. Belgadi and Mohammad Saeed A. Mudarris**
Effect of a Commercial Probiotic, Ecomarine on the Growth Performances of Indian White Prawn, *Penaeus* (Fenneropenaeus) *indicus* (M.Edwards)
- 1789-1798 **Mohammed Rabbani, Mohamed A. Moslem and Sarfaraz Hadi**
Molecular Characterization of Anastomosis Groups of *Rhizoctonia solani* Associated with Potato Tubers in Saudi Arabia
- 1799-1808 **Nur Masirah Mohd. Zain, Rosli B. Mohamad, Kamaruzaman Sijam, Md. Mahbub Morshed and Yahya Awang**
Growth-inhibitory Effects of Herbicides on Soil Bacterial Population in Oil Palm Plantation
- 1809-1819 **Abbas Bahador, Davoud Esmaceli, Noormohamad Mansoori and Mehdi Mahdavi**
Protection against *Brucella abortus* 544 Strain Infection in BALB/c Mice by Subcutaneous Administration of Multicomponent Vaccine of rCagA Conjugated with LPS + CpG
- 1821-1830 **Maryam Shohani, Nastaran Shohani, Reza Azizian and Afra Khosravi**
The Impact of Probiotics and Prebiotics on Serum Levels of Allergy Associated Th1 and Th2 Cytokines
- 1831-1836 **A.M.A. El-Samawaty**
Inducing Resistance in a Flax Cultivar Susceptible to Rust Disease Caused by *Melampsora lini*
- 1837-1842 **Amal A. Al Hazzani, Afaf I. Shehata, Nadine M.S. Moubayed, Hadeel Jawad Al Houry and Gehan Elgaaly**
Antimicrobial Activity of the Various Extracts of *Spirulina platensis* and GC-MS Analysis
- 1843-1850 **Ahmed Abdel-Megeed, Mohamed Z.M. Salem, Hayssam M. Ali and Yousry M. Gohar**
Brachychiton diversifolius as a Source of Natural Products: Antibacterial and Antioxidant Evaluation of Extracts of Wood Branches

CONTENTS

- 1851-1860** **Mohammad Heiat, Neda Bayat, Hossein Aghamollaei, Mojtaba Saadati, Mohammad Sadraei, Mohammad Amin Sharifi and Saeed Heidari-Keshel**
Using Taguchi Statistical Method for the Determination of Suitable Conditions for Cloning and Over Expression of N-terminal region of ipad in *Escherichia coli*
- 1861-1868** **M.A.U. Mridha, A.A. Al-Qarawi, S.S. AL-Oud and F.N. AL-Barakah**
Status and Need of Research on Growth Improvement of Olive (*Olea europaea* L.) with Microbial Inoculants in Saudi Arabia
- 1869-1876** **Mohamed A.Yassin**
Interaction of *Rhizoctonia solani* Anastomosis Groups and Sugar Beet Cultivars
- 1877-1884** **Ashgan M. Hessain, Mohamed I. Alhazmi and Ihab M. Moussa**
Clostridium perfringens in Chicken: Relevant to Public Health from Egypt
- 1885-1893** **Monira R. Al-Othman, Mohamed A. Mahmoud and Abeer R.M. Abd El-aziz**
Management of Aflatoxin B₁ Production by *Aspergillus flavus* Isolated from Rice using Methanolic Extract of *Olea europaea* L. Leaves
- 1895-1901** **Mohammad Ghaedi, Shoaleh Darvishi, Mohammad Ali Rezaee, Yousef Motaharinia, Kiumars Ghavami and Mohammad Reza Rahmani**
Antibacterial Activity of Extracts of Halgho and Rashe Grape Cultivars against *H. pylori*
- 1903-1907** **Hayssam M. Ali, Mohamed Z.M. Salem and Ahmed Abdel-Megeed**
In-vitro Antibacterial Activities of Alkaloids Extract from Leaves of *C. lancifolius* Engl.
- 1909-1915** **Najla Qalit Ammash Alfaqeer, Omar H.M. Shair, Rashead M. Al-ssum & Rana Alturki**
Predominant Lactobacillus species Identification from Healthy and Unhealthy Saudi Women by Molecular Techniques
- 1917-1924** **Abeer Hashem, E.F. Abd Allah and Monera Al Othman**
Growth and Production of Citrinin by *Penicillium viridicatum* Westling and their Control by Propolis
- 1925-1932** **Ashraf A. Mostafa, A.N. Al-Rahmah, Sobhy M. Yakout and Sherif H. Abd-Alrahman**
Bioactivity of Garlic Bulb Extract Compared with Fungicidal Treatment against Tomato Phytopathogenic Fungi
- 1933-1942** **Kunal, Anita Rajor and Rafat Siddique**
Biological Treatment of Alkaline Cement Kiln Dust by using Alkalitolerant Bacteria
- 1943-1950** **Monira R. Al-Othman, Abeer R.M. Abd El-Aziz, Mohamed A. Mahmoud and Mohamed S. El-Shikh**
Inhibitory Effect of Cardamom Essential Oil on Aflatoxin B Production by *Aspergillus* spp. in Arabic Coffee
- 1951-1962** **Yanjie Wang, Cui Wang, Kuide Yin, Weidong Wang, Shaojie Bi, Yamei Gao and Lei Yan**
Bacterial Composition of Composite Low-temperature Lactic Acid Bacteria and Microbial Diversity in their Fermentation System with Corn Stover
- 1963-1969** **Binhui Jiang, Qianqian Wang, Yan Zhao, Li Li and Xiaomin Hu**
Biosorption Mechanism of Zn²⁺ and Cd²⁺ by a *Rhodotorula mucilaginosa*

CONTENTS

- 1971-1977 **Hong Jun, Hu Jian-Ye, Li Guang-Yue, Liao Chun-Li, Zhao Ming-Chu and Wang Zhe**
Screening on Bacterial Strains Resistant to Tachyplesin-I Induced by Different Methods
- 1979-1987 **Rugang Wang, Qinglong Liu and Jingchun Tang**
Degradation of Petroleum Hydrocarbons in Composting Process of Cattle Manure under Different Conditions
- 1989-1994 **Xinwu Li**
Research on Water Microorganism Recognition Based on BP Neural Network Algorithm
- 1995-2001 **Man Ding, Niu Ben, Wei Dong and Jiang Xu**
Bacterial Foraging for Product Color Planning
- 2003-2015 **Xu Yangyang, Kangmin Duan and Lixin Shen**
Quorum Sensing in *Pseudomonas aeruginosa*
- 2017-2024 **Peng Wanxi, Zhang Zhongfeng, Lin Zhi, Makoto Ohkoshi, Chang Junbo, Gu Fanglianga and Zhu Xiangwei**
Molecular Characteristics of Biomedical and Bacteriostasis Extractives of *Illicium verum* Fruit
- 2025-2030 **Tao Gong and Qin Xiong**
Intelligent Multi-Tier Modeling of Immune System against SARS Viruses
- 2031-2035 **Liu Xiu-yan, Xia Haihua, Li Jing and Xie Zhengmiao**
Analyzing Microbial Community Changes of Activated Sludge in Bioaugmentation Reactor by DGGE-PCR
- 2037-2042 **Guo Hongyu, Chen Shanlai, Ma Junqiang, Luo Yuan, Xia Daping and Wang Zhen**
Prospect Analysis of Coal Mines Energy Saving and Emission Reduction Based on Microbial Technology
- 2043-2047 **Du Qin, Zou Jing, Zhou Xuedong, Li Mingyun and Li Yuqing**
The Genetic Profiling of the Oral Microbiota in Twins of Primary Dentition
- 2049-2053 **Li Tan, Li Xu, ShugaiTian, ZhiguoYang, Zhaojing Zhu, Baoyong Zhang, Kun Peng and Junyi Chen**
Study on Mutations of Resistance to Drug in Hepatitis B Virus
- 2055-2059 **Zhenquan Li, Aixia Ling, Lingdong Kong and Shouxin Wang**
Phospholipid Fatty Acid Profiles of Several Oil-Degrading Bacteria
- 2061-2065 **Zhi-Xiang Yin and Jing Liu**
Based on the Microbial Technology's Three-dimensional Structure of the DNA Self-assembly
- 2067-2071 **Wu Xiao-Xia, Yan Jin and Cai Li-feng**
The Study of Dynamic Expression of Nrf2 in Sepsis Rat Liver
- 2073-2078 **Zhu Tao, Lu Ling, Zhou Hao, Dai Yazhong, Zhou Jinlan and Li Guangteng**
Advances in Biopurification Technology of VOCs
- 2079-2083 **Chen Wei-Ting, Zhang Hong-Guo, Luo Ding-Gui and Chen Yong-Heng**
Research on Treating Acid Wastewater Containing Heavy Metals by Sulfate-Reducing Bacteria

CONTENTS

- 2085-2090 **Xu Chenghao, Gong Mingfu, Han Song, Li Chao, Xu Lin and Wei Gehong**
Fusarium oxysporum Growth Inhibition by Endophytic Bacteria Isolated from
Sophora alopecuroides Nodule
- 2091-2096 **Lin Tianxing, Xu Chenghao, Tang Mei, Guan Qinlan and Gong Mingfu**
Siderophore Producing by Endophytic Bacterial Strain YBS106 with
Antifungal Activity Against *Fusarium oxysporum*
- 2097-2102 **Song-Quan Wu, Guang-Li Wang, Wei Liang, Shi-gen Zhong and Zhi-Pin Wang**
Induced Secretion Expression of Salivary Apyrase from *Culex quinquefasciatus*
in *Pichia pastoris*
- 2103-2107 **Zi F. Shang, Dai D. Fan, Jian J. Deng, Pei Ma, Xiao X Ma and Yu Mi**
New Correlation of Volumetric Oxygen Mass Transfer Coefficient for
Scale-up in Aerobic Fermentation
- 2109-2116 **Yichuan Shao, Liwei Tian and Wen jin**
Multi-Colony Bacterial Foraging Algorithm for Multi-Objective Optimization
- 2117-2122 **Liwei Tian, Yichuan Shao and Hongwei Zha**
Discrete Bacterial Foraging Optimization
- 2123-2127 **Neda Bayat, Saeed Heidari-keshel, Mostafa Rezaei-Tavirani,
Maryam Ebrahimi and Golam Reza Behrouzi**
Production and Utilization of Monoclonal Antibodies against *Brucella melitensis* Rev1
Surface Antigens in Brucellosis Diseases
- 2129-2133 **M. Goodarzi, M. Javaheri Koupaei, E. Tajbakhsh, S. Azizi, S. Moshkelani and
M. Zarifi**
Isolation of Aerobic and Anaerobic Bacteria from Pneumonic One Humped Camels
(*Cameleus dromedarius*) in Iran
- 2135-2139 **Abbas Shahbazi, Shabnam Asfaram, Esmaeil Fallah, Majid Khanmohammadi,
Ahmad Nematollahi, Tamouchin Moharrami and Ardavan Ghazanchaei**
Identification of *Sarcocystis tenella* Isolated from Sheep in Tabriz Abattoir by
Parasitological and PCR-RFLP Methods
- 2141-2147 **Jamal M. Khaled, Abdulla S. Khalel, Saleh A. Kandeal and Ramzi A. Mothana**
Cultural and Microscopic Characteristics of *Trichosporon mycotoxinivorans* and
Its Effect on Some Reproductive Aspects in Mice
- 2149-2154 **Abdullah A. Al-Arfaj, Ashgan M. Hessian, Al-Doss, A. Abdulllah, Mohamed,
I. AlHazmi and Ihab M. Moussa**
Molecular Identification of the False Negative Mycoplasma Isolates from
Bovine Mastitis Infections
- 2155-2160 **Samy Selim, Sherif Hassan and Bander El Sabty**
Antimicrobial Activity of Saudi Mint on some Pathogenic Microbes
- 2161-2166 **Kahkashan Perveen and Hend A. Alwathnani**
Bioactivity of *Nostoc linckia* Isolated from the Desert of Saudi Arabia against
Fungi Responsible for the Post Harvest Diseases

CONTENTS

- 2167-2171 H.A.M. Golah, A.S. Khalel and J.M.A. Khaled**
Evaluation of Efficiency of Some Medicinal Plant Extracts on Dermatophytes Isolated in Saudi Arabia
- 2173-2178 Leila Soltani, Mona Mohammad Zadeh, Sayed Hamid Reza Hashemi, Mohammad Rahbar, Leila Azimi and Mohammad Aghazadeh**
Etiology Agents and Drug Resistance Pattern of Urinary Tract Infections in Children under 12 Years Old Hospitalized in an Iranian 1000-bed Tertiary Care Hospital
- 2179-2182 Khalid A. Ali AbdelRahim**
Evaluation of Nitrate Reduction Assay as a Simple Procedure for Drug Susceptibility Testing of *Mycobacterium tuberculosis*
- 2183-2189 R. Azizian, A. Khosravi and Maryam Azizian**
The Association of the Human Leukocyte Antigen (HLA) with the Pathogenesis of *Helicobacter pylori*
- 2191-2204 Sanjay Kumar, Atul Kumar Singh, Santosh Kumar Verma, Richa Misra and Chandrabhan Seniya**
Antibacterial and Phyto-chemical Analysis of Some Medicinal Plants and their Efficacy on Multidrug Resistant Bacteria
- 2205-2211 Mojgan Heidarpour, Fahimdokht Mokhtari and Marjan Heidarzadeh**
Safety and Properties of Bifidobacteria Isolated from Traditional Dairy Products from Iran
- 2213-2218 Fahimdokht Mokhtari, Esmaeil Salahi, Ramesh Mehrpour, Mehdi Asgari, Mojgan Heidarpour and Fataneh Shokrollahi**
Antibacterial Effects of Polymers Impregnated by Nano Silver Manufactured as Computer Parts
- 2219-2232 Basma A. Omran, Nesreen A. Fatthalah, Nour Sh. El-Gendy, Einas H. El-Shatoury and Mohamed A. Abouzeid**
Green Biocides against Sulphate Reducing Bacteria and Macrofouling Organisms
- 2233-2241 Safika, Fida Madayanti, Pingkan Aditiawati and Akhmaloka**
Succession of Eukaryotic Community Microorganism from Cattle Manure during Composting Process
- 2243-2249 Khalid A. Ali AbdelRahim and Klaus Rudolph**
Plasmids in Different Races of *Xanthomonas campestris* pv. *malvacearum* (Xcm), Synonym, *Xanthomonas axonopodis* pv. *malvacearum* (Xam), The Causal Agent of Bacterial Blight of Cotton
- 2251-2260 Mousumi Das, Dayanand Agsar and S. Shivaveerakumar**
Production of L-glutaminase by *Streptomyces rochei* Detected from the Lime Stone Quarries of Deccan Trap
- 2261-2270 Sudipta Roy, Sumit Sahoo and Smarajit Maiti**
Isolation of *Halomonas* sp. sm-sr10, an Extreme Halophilic, Hydrocarbon (engine-oil) Degrading and Mega Plasmid Harboring Bacteria, from Bay of Bengal, India
- 2271-2275 Amos T. Kabo-Bah and Xie Yuebo**
The Role of Bacteria as A Cure for Polluted Rivers in Africa

CONTENTS

- 2277-2286 Kasturi Dutta, Hegde Krishnamoorthy and Veeranki Venkata Dasu**
Preparation and Characterization of Cutinase Inducible Substrate, and Screening and Selection of *Pseudomonas cepacia* NRRL B 2320 for Enhanced Production of Cutinase
- 2287-2294 Ajay Kumar, Mamta Sharma and Amit Kumar**
Characterization of Potential Oil Degrading and Plant Growth Promoting Bacteria from the Soils of Himachal Pradesh
- 2295-2300 S. Usha Nandhini and M. Masilamani Selvam**
In vitro Antimicrobial Activity of *Streptomyces* against Some Pathogenic Microorganisms
- 2301-2307 S.P. Nayak, P. Ray and P.K. Sahoo**
Heavy Metal Tolerance and Antibiotic Profiling of Bacterial Isolates from Hot Springs of Odisha
- 2309-2314 Hariom Sharan, Aditya Prakash Mishra and Ritu Mishra**
Predictors of Surgical Site Infections in Rural Kanpur, India
- 2315-2324 Rupa Mulchandani, Hans-Olof Nilsson, Torkel Wadstrom and B.R. Joshi**
Presence of *Helicobacter pylori* in Mumbai Water
- 2325-2330 Manu Solanki, Bharti Yadav, Meenakshi Jatyan and Kiran Nehra**
Isolation and Characterization of Phosphate Solubilising Bacteria Isolated from Different Vegetable Crops
- 2331-2336 S. Sudha Srikesavan and M. Masilamani Selvam**
In vitro Cytotoxic Activity of Bioactive Metabolite and Crude Extract from a New *Streptomyces* sp. SU
- 2337-2341 C. Subathra Devi, V. Mohanasrinivasan, B. Vaishnavi, E. Selvarajan and S. Jemima Naine**
Optimization Studies for Enhanced Production of Streptokinase by *S. equisimilis* UVM6
- 2343-2351 T.K. Angiesh and P. Subhashini**
Activities of Antibiotics against Drug-Resistant Clinical Nosocomial Pathogens
- 2353-2360 K. Suribabu and T.Lalitha Govardhan**
Characterization of α -amylase Producing *Bacillus cereus* Strains from Marine Waters of Bay of Bengal, Visakhapatnam
- 2361-2369 A. Suresh, M. Ramesh and S. Ram Reddy**
Occurrence and Role of Fluorescent Pseudomonads as PGPR on the Growth of Maize (*Zea mays* L.)
- 2371-2378 V. Karthikeyan, P. Gnanamoorthy, A. Sakthivel, P. Bharadhirajan and A. Gopalakrishnan**
Isolation, Identification and Optimization of Bacteriocin Production by *Lactobacillus casei* for their Bio Prospective Applications
- 2379-2383 Manjunath A Hosamani, Asha B Patil, Shobha D Nadagir, N.S. Madhusudhan and Pramod Sambrani**
Diagnosis of Enteric Fever by Widal and Two Dot-enzyme Immunoassay: Utility and Difficulties

CONTENTS

- 2385-2388 **Bushra Rehman, Faheem Ahmad, Olubukola O. Babalola, Mohamad Ashraf Ganai, Kavita Parihar and Mansoor A. Siddiqui**
Usages of Botanical Extracts for the Management of Root-Knot Nematode, *Meloidogyne incognita* in Chickpea
- 2389-2395 **G. Gayathry and G. Gopalaswamy**
Production of Bacterial Cellulose from Coconut Liquid Endosperm using *Acetobacter xylinum* sju-1
- 2397-2403 **Thangadurai Thinesh, Polpass Arul Jose and Edward J.K. Patterson**
Predominant Bacterial Candidates Associated with Diseased Corals from Gulf of Mannar, India
- 2405-2410 **Kempohalli S Chandrashekharaiah**
Antimicrobial Activity of Trypsin-Chymotrypsin Inhibitor from the Seeds of *Mucuna pruriens*
- 2411-2416 **R. Anuradha, C. Naveen Prasanth, A. Vidhya Parkavi, S.M. Kavitha and S. Babu**
Modified Colony PCR using Genome Level Common Primers for Differential Detection of Five Bacteria
- 2417-2422 **Vimjam Swarupa, Annamaraju Rupa Sundari, Uppu Venkateswara Prasad, Sthanikam Yeswanth and Pothukuchi Venkata Gurunadha Krishna Sarma**
Induced Mutagenesis in *Staphylococcus aureus* ATCC 12600 Resulting over Expression of Streptomycin 3"-adenylyltransferase 1
- 2423-2427 **S.A. Bhat, M.R. Islam, P.D Juyal, N K Singh, S.A. Hussain and L.D. Singla**
Cryptosporidium Infection in Asymptomatic Dairy Calves in Ludhiana District of Punjab, India
- 2429-2438 **Rupa Mulchandani, Hans-Olof Nilsson, Torkel Wadström and B.R. Joshi**
Helicobacter pylori : Is it Transmitted Through Faecal-oral or Oral-oral Route?
- 2439-2442 **K. Indiragandhi and M. Gomathi**
Isolation and Characterization of Plant Pathogens from *Phaseolus lunatus* (Lima Beans) and *Solanum melongena* (Brinjal)
- 2443-2445 **K. Mehraj Pasha, P. Anuradha and D. Subba Rao**
PCR Amplification of DNA Isolated from a Pectinolytic Fungus *Aspergillus foetidus* MTCC 10367
- 2447-2449 **G. Balakrishnan, G. Ravikumar, Parimal Roy and V. Purushothaman**
Isolation and identification of *Clostridium chauvoei* from cattle Suffered from Black Quarter
- 2451-2458 **Hai-han Zhang, Ting-lin Huang, Xiao Yang and Wei-xing Ma**
Soil Dehydrogenase Activity and Bacterial Community Diversity in the Water Level Fluctuation Zone of a Drinking Water Reservoir