

CONTENTS

- 2523-2533 **Muhammad Asif, Taskeen Niaz, Arif Malik, Ahmad Zaheer, Abrar Hussain, Humera Aslam Awan and Mahmood Rasool**
Process Development to Augment the Production of Microbial Extra Cellular Protease using Response Surface Methodology
- 2535-2542 **Xinran Li, Weijia Zhang, Xi Li, Qian Wu, Hui Xu, Dairong Qiao, Yi Cao and Yu Cao**
Construction of Fusion Protein XYNAB and Improvement of its pH and Thermal Stability from *Aspergillus niger* 400264
- 2543-2548 **Cui Xu, Jialan Zhang, Qiu Xiong, Yali Chen and Mengxiang Gao**
Effect of Fermentation Temperature on Mannatide Production by α -hemolytic *Streptococcus*
- 2549-2558 **Ning Wang, Huifang Bao, Gulinisha Shayimu, Xueqin Ma and Wei Wang**
Diversity of Cultivable Bacteria of Frozen Soil in Lake Issyk-Kul Basin, Kyrgyzstan
- 2559-2566 **Chao Li, Hui-Fang Zou, Hai-Jiao Tian, Yu-Hua Li and Hong-Yan Yang**
Culture-Dependent Analysis on Microbial Dynamics during Suan Cai Fermentation in Northeast China
- 2567-2573 **Fu Chen, Junfeng Qu, Jing Ma, Gang Li and Hui Cao**
Diversity of *nifH* Gene Reveal the Modification of the Red Paddy Soil
- 2575-2584 **Maochun Luo, Yaohui Wu, Yongle Wang and Biaosheng Lin**
Screening of Dhase/Dcase-producing Strain and its Optimal Fermentation Process for the Production of D-Hydroxyphenylglycine
- 2585-2590 **Bayan M. Abu-Ghazaleh**
Effect of Microwave Heating in Media Containing Preservatives on Viability and Caseinase Production of *Pseudomonas aeruginosa*
- 2591-2594 **Lizbeth Moreno-Ramirez, Daniel Gonzalez-Mendoza, Federico Gutierrez-Miceli, Monica Aviles-Marin, Carlos Cecena- Duran and Onecimo Grimaldo-Juarez**
Phytohormones Production and Phosphate Solubilization Capacities of *Acinetobacter* sp., Strains Isolation from Mexicali Valley
- 2595-2604 **Mona E.M. Mabrouk, Dunja-Manal M. Abou Zeid, Doaa F.I. Youssif and Soraya A. Sabry**
Enhancing Pyocyanin Production by *Pseudomonas aeruginosa* RS11 using Response Surface Methodology
- 2605-2611 **Mingsong Wu, Xinyang Xu, Fang Ma, Xun Xu and Junli Huang**
Effect Factors of Chlorine Dioxide Inactivation *Cryptosporidium andersoni* Oocyst in Preoxidation Process
- 2613-2618 **Xiao-li Zhu, Li-ping Dong, Ya-ya Xu, Jian-xia Zhang, Jiao-qin Liu and Hang Wang**
Plant Growth Promoting Activities of Phosphate-Solubilizing Bacteria *Acinetobacter calcoaceticus* YC-5a and *Enterobacter agglomerans* KMC-7
- 2619-2625 **Yuwei Dong, Yanqiu Zhang, Ling Sun, Baojun Tu**
Research on Immobilized Ammonia-Oxidizing Bacteria by Sodium Alginate

CONTENTS

- 2627-2635 Abd Rahman Jabir Mohd Din, Siti Zulaiha Hanapi, Nurhaziqah Supari, Siti Atiqah Zainul Alam, Muhammad Arshad Javed, Lee Chew Tin and Mohamad Roji Sarmidi**
Germination, Seedling Growth, Amylase and Protease Activities in Malaysian Upland Rice Seed under Microbial Inoculation Condition
- 2637-2644 Ali B. Aldeewan, Yilei Zhang, Ying Meng, Donghai Peng, Ziniu Yu, Ming Sun, Brian Z. Ring and Li Su**
A Novel *Bacillus thuringiensis* Crystal Protein Cry51Aa1 with Preferentially Anti-cancer Activity
- 2645-2654 Liqin Zhao and Tong Liu**
Genome-wide Analysis for Secreted Proteins of *Cochliobolus heterostrophus*
- 2655-2658 Azizian M., Pakzad I., Arabi H., Nasrollahi A., Hosainzadegan H., Azizi Jalilian F., Taherikalani M., Sadeghifard N., Samadi N., Nasser A., Azizian R., Rahbar M. and Mohammadzadeh N.**
Prevalence of *dfx*, *int* and *sul* Genes in Cotrimoxazole Resistance *Klebsiella pneumoniae* Isolated from Two Hospitals of Iran
- 2659-2666 Jal Soumya and S. Khora Samanta**
In vitro Screening of Toxin from Puffer Fish *Lagocephalus scleratus* for Antimicrobial, Hemolytic, Acetylcholinesterase and Cytotoxicity Activities
- 2667-2671 Tahir Hussain, Muhsin Jamal, Faridah Nighat and Saadia Andleeb**
Broad Spectrum Antibiotics and Resistance in Non-target Bacteria: An Example from Tetracycline
- 2673-2678 Ashgan M. Hessain and Moussa I. Mohamed**
Virulence Characterization of *Escherichia coli* Isolates Collected from Bovine Clinical and Subclinical Mastitic Milk Samples
- 2679-2685 Nael Abutaha, Muhammad Farooq, Fahd Abdu Al-Mekhlafi, Baabbad Almohannad, Sabir Shehata and Mohammad Wadaan**
Evaluating Developmental Toxicity of Solvent Fractions Obtained from *Pulicaria glutinosa* on Zebrafish Embryo and their Antimicrobial Potential
- 2687-2691 Dilek Seker, Fatih Kalyoncu, Erbil Kalmis and Ilgaz Akata**
Evaluation of *Pleurotus ostreatus*, *P. sajor-caju* and *Ganoderma lucidum* Isolated from Nature for their Ability to Decolorize Synazol Blue and Synazol Red Textile Dyes
- 2693-2700 Ebru Uyar, H. Tansel Yalcin and Fusun Ucar**
Isolation, Conventional Identification and Pre-screening of the Yeasts Degrading Crude Oil and Its Aromatic Hydrocarbons from Turkey
- 2701-2712 E.E. El-Sharouny, N.A. El-Sersy and A.A. El-Gayar**
Investigation of Some Biotechnological Aspects of Two Novel *Bacillus* species Isolated from Natural and Man-made Alkaline Ecosystems in Egypt
- 2713-2720 Muhannad Al-Jameel, Mohamed H. Al-Agamy, Ibrahim Aljufalli and Atef M. Shibl**
Antimicrobial Susceptibility and Distribution of β -lactamases in Extended-Spectrum Cephalosporins Insensitive *Klebsiella pneumoniae* in Riyadh, Saudi Arabia

CONTENTS

- 2721-2728 **Nor Zalina Othman, Elsayed A. Elsayed, Roslinda Abd Malek, Solleh Ramli, Helmy J. Masri, Mohamed R. Sarmidi, Ramlan Aziz, Mohamad A. Wadaan and Hesham A. El Enshasy**
Aeration Rate Effect on the Growth Kinetics, Phytase Production and Plasmid Stability of Recombinant *Escherichia coli* BL21(DE3)
- 2729-2737 **I. Darah, K. Jain and Lim, Sheh-Hong**
Influence of Culture Conditions on Production of Natural Antibacterial Red Pigment Produced by *Serratia marcescens* IBRL USM 84
- 2739-2746 **Kaile Zhao, Guohua Gu, Guanzhou Qiu, Changliang Wang and Xiaohui Wang**
Study on the Mechanism of Mixed Bacterial Leaching of Pyrrhotite
- 2747-2754 **Xiao-xian Wang, Quan Li, Jin-Guo Lin, Ji-qing Li, Jing Liu and Shun-zhi Liu**
Decay Resistance of *Pterocarpus macrocarpus* Kurz Xylem and Toxic Effect of It's Extracts on *Gloeophyllum trabeum*
- 2755-2760 **Jiming Liu, Xiaofeng Liao, Dongkai Zhang, Min Wang and Xiaopeng Zhao**
Population Characteristics of *Drepanostachyum ludianense* in Karst Area of Guizhou, China
- 2761-2772 **Nagwa G. Mohammady, Dahlia M. El Maghraby and Elsayed M. Ibrahim**
Growth and Oil Production of *Nannochloropsis salina* Cultivated under Multiple Stressors
- 2773-2783 **Elsayed A. Elsayed, Nor Zalina Othman, Roslinda Malek, Hassan M. Awad, King Wu, Ramlan Aziz, Mohamad A. Wadaan and Hesham A. El Enshasy**
Bioprocess Development for High Cell Mass and Endospore Production by *Bacillus thuringiensis* var *israelensis* in Semi-Industrial Scale
- 2785-2790 **Mohamed Elsheshtawi, Ashraf A. Hatamleh, Amany M. Saad and Abdallah M. Elgorban**
Selective *Sclerotium cepivorum* Growth Agar Media and Other Condition Factors Affecting
- 2791-2799 **Luciana Pereira de Souza Bermejo, Sára Maria Chalfoun and Deila Magna dos Santos Botelho**
Antifungal Activity of Extracts of *Cladosporium cladosporioides* (Fres) de Vries
- 2801-2816 **Fitri Abdul Aziz Zakry, Halimi Mohd Saud, Khairuddin B. Abdul Rahim and Osumanu H. Ahmed**
In silico Protein Prediction of the 16S ribosomal RNA Gene from Novel Rhizobacterium *Bacillus cereus* UPMLH24
- 2817-2822 **Ahmed Abdel-Megeed, Al-Meshal Areej Suliman and Rudolf Mueller**
Cell Surface Hydrophobicity and Assimilation of Hexadecane by *Pseudomonas frederiksbergensis*
- 2823-2830 **O. Yashchuk, S.S. Miyazaki and E.B. Hermida**
PHB-degrading *Streptomyces* sp. SSM 5670: Isolation, Characterization and PHB-Accumulation

CONTENTS

- 2831-2836 Yuna Jung, Keechul Jung and Dongbin Lim**
Expression of Membrane Proteins in *Escherichia coli* as Fusions to the Phage ϕ 16 Major Envelope Protein
- 2837-2844 Safika, Fida Madayanti, Pingkan Aditiawati and Akhmaloka**
Succession Culture-independent Methanogenic Archaeal from Manure Compost
- 2845-2854 Abeer Hashem, Elsayed Fathi Abd-Allah, Abdulaziz Abdul Allah Alqarawi and Asma AbdulKareem Al-Huqail**
Biodiversity of Seedborne Mycobiota Associated with *Sesamum indicum* L
- 2855-2862 Krishna Suresh Babu Naidu, Patrick Govender and Jamila K. Adam**
Identification and Characterization of *Bacillus* sp. for Probiotic Properties Isolated from Human Faeces
- 2863-2877 Ali Yadollahpour and Mostafa Jalilifar**
Electromagnetic Fields in the Treatment of Wound: A Review of Current Techniques and Future Perspective
- 2879-2885 Ozgur Ceylan**
Antibiofilm, Mutagenic and Antimutagenic Activity of *Allium sphaerocephalon* L
- 2887-2892 Abeer R.M. Abd El-Aziz, Munirah F. Al-Gahtani, Mohamed A. Mahmoud and Monira R. Al-Othman**
Fungal Flora Associated with Some Nuts in Three Different Regions in Saudi Arabia
- 2893-2902 Jayshree Nellore, Tushitha Baskaran, Alpana Kumari and S. Karthick Raja Namasivayam**
Comparative Evaluation of the Antioxidant and Antibacterial Efficacy of Un-encapsulated and Encapsulated Essential Oil of Lemongrass in Alginate - Chitosan Microspheres
- 2903-2907 Periasamy Anbu**
Effect of Carbon Source and Lipase Inducers on Extracellular Lipase Production by *Bacillus* sp. BK-L40
- 2909-2920 Ramasamy Ramasubburayan, Susan Titus, Pradeep Kumar Verma, Grasian Immanuel and Arunachalam Palavesam**
Isolation, Screening and Optimization of Culture Conditions for Enhanced Antibacterial Activity by a Marine Epibiotic Bacterium *B. flexus* APGI against Fouling Bacterial Strains
- 2921-2926 Mahmoud Ahmed Hossam**
Prolactin Receptor and Prolactin Genes Polymorphisms and their Associations with Milk Production Traits in Najdi Sheep
- 2927-2934 Davinderdeep Kaur, Poonam Sharma and Geetu Dhillon**
Screening of Phenotypic and Functional Traits of Soybean Rhizobia
- 2935-2944 M. Sanjeeva Gandhi and C. Udayasoorian**
Physico-chemical and Biological Dynamics of Waterhyacinth Biocompost: A Compost Maturity Assessment Scenario

CONTENTS

- 2945-2951** **Sherif, H. Abd-Alrahman and Ashraf A. Mostafa**
Mycoremediation of Organophosphorous Insecticide Chlorpyrifos by Fungal Soil Isolates
- 2953-2959** **Ahmed Hossam Mahmoud, Amgad Saleh, Nabeel Almealamah, Moez Ayadi, Abdulkareem Matar, Faisal Abou-Tarboush, Riyadh Aljumaah & Mohamed Abouheif**
Polymorphism of Leptin Gene and its Association with Milk Traits in Najdi Sheep
- 2961-2967** **Humaira Rizwana**
Biodegradation of Feathers by Keratinolytic Fungal Isolates from Poultry Farm Soil in Riyadh, Saudi Arabia
- 2969-2974** **Nashwa H. Mohamed, Hayssam M. Ali and Mohamed Z.M. Salem**
Evaluation of Wood, Bark and Leaves Extracts from *Maclura pomifera* (Rafin.) Schneider (Moraceae) Against the Growth of Some Pathogenic Bacteria
- 2975-2980** **Fadwa M. Al-Sharif and Osama Al-Jiffri**
Impact of Insulin Resistance and Lipid Profile Abnormalities on Virological Response to Treatment of Hepatitis C Virus
- 2981-2986** **Khulood Mohammad Al-arjany, Najat A. Bukhari and Mohammed M. Ibbrahim**
Influence of Photosynthetic Pigments on Taxonomic Variations of Plant Species of *Zygophyllum*, *Tribulus* and *Fagonia* Genera of Zygophyllacea Family in Saudi Arabia
- 2987-2998** **Kerem Canli, Barbaros Cetin, Ergin Murat Altuner, Yavuz Türkmen, Ugur Uzek and Hayrettin Dursun**
In vitro Antimicrobial Screening of *Hedwigia ciliata* Var. *leucophaea* and Determination of the Ethanol Extract Composition by Gas Chromatography/Mass Spectrometry (GC/MS)
- 2999-3010** **Sopana Wongthong, Phuwadol Bangrak, Souwalak Phongpaichit, Sayanh Somrithipol and Pattavipha Songkumarn**
Antimicrobial Activity of Soil Fungi from Khao Nan National Park, Nakhon Si Thammarat Province, Thailand
- 3011-3019** **Najat Marraiki**
Antiviral Properties of *Artemisia absinthium* and *Allium cepa* Extracts against Potato Virus Y (PVY)
- 3021-3028** **Rashwahla Lesiba Sydwell Langa, Goitseman Makete, Marietjie Bruwer, Dikonketso Shirley-May Mofokeng, Christa Goitsema & Olayinka Ayobami Aiyegoro**
Indigenous Porcine Gastro-intestinal Tract as Veritable Source of Probiotic Isolates
- 3029-3036** **Bin Rui, Gang Li, CongChong Wei, Yadong Fan, Yongkang Wang, Wenfeng Wang, Weichen Xin, Yi Yang and Han Wen**
The Metabolic Network of *Bacillus subtilis* by Constraints Based Reconstruction and Analysis (COBRA)
- 3037-3042** **Bal Krishnaraja Rengaraju, Ramalingam Ponnuswamy, Sankar Malayandi and Vijayakumar Lakshminarayanan**
Molecular Identification of Novel Yeast Isolate Associated with Xylitol Production and Its Physicochemical Parameters Optimization

CONTENTS

- 3043-3048** Najimaana Wani, S.K. Kotwal, Irfan Mir, S.A. Shah and Asif Iqbal
Molecular Characterization of *Escherichia coli* Strains Isolated from Drinking Water Sources in Jammu, India
- 3049-3052** Mohammad K. Okla, Walid Soufan, Mohamed E. El-Zaidy and Mohamed Bakir
Role of Nitrogen and Nitrogen Oxide in Reducing the Toxicity of Nickel on Wheat Plant
- 3053-3056** Abbas Bahador, Hossein Saghi, Davoud Esmaceli, Bahador Zahedi, Ramazanali Ataee Kachoei and Ferdoes Amiri Dastjerdi
The Study of Antibacterial Effects of Thyme Essence Against Multidrug-Resistant Strains of *Acinetobacter baumannii* Selected Hospitals in Tehran
- 3057-3062** Hamid Reza Pordeli, Seyed Jamal Hashemi Hazaveh, Mahmood Jamshidian and Mansour Bayat
Production of Active Compounds against *Trichophyton rubrum* by *Bacillus* species
- 3063-3068** Mustafa Kemal Celen, Kamuran Turker, Nefise Oztoprak, Alper Sener, Nazan Tuna, Nevin Ince, Ilknur Erdem, Nese Saltoglu, Davut Ozdemir, Tuba Dal, Mustafa Karahocagil, Fatma Sirmatel, Fusun Zeynep Akcam, Fatma Eksi Polat, Mehmet Cabalak, Suzan Sacar, Selma Tosun and Fehmi Tabak
The Evaluation of Exposure to Hepatitis A Virus in HBsAg-positive Persons: A Multicentre Study from Turkey
- 3069-3073** Najat Marraiki
Antibacterial Properties of Selected Medicinal Plants from Saudi Arabia
- 3075-3078** Hossnieh Kafshdar Jalali, Khosro Issazadeh, Mohammad Reza Majid Khoshkholgh Pahlaviani, Naeem Momeni and Alireza Massiha
Antagonistic Activity of *Nocardia brasiliensis* PTCC 1422 Against Isolated Gram-negative Bacteria from Urinary Tract Infections
- 3079-3088** Ali Alharbi, Abdelnasser S.S. Ibrahim and Ali A. Al-Salamah
Prevalence of Various Enterotoxins among Clinical *Staphylococcus aureus* Strains Isolated from Food Borne Poisoning Patients
- 3089-3095** Manjunath Sangappa and Padma Thiagarajan
Chemical Analysis and Anti-MRSA Activity of Mat Extract from *A. terreus* VIT 2013
- 3097-3100** Prakash Kumar Sarangi, Hara Prasad Sahoo and Mahasweta Das
Effect of Different Carbon Sources on Catabolism of Ferulic Acid by *Staphylococcus aureus* and Bacterial Population Analysis
- 3101-3105** Khalid Muzzafar, Tawheed Amin and Suman Vikas Bhat
Microbial Analysis of Street-vended and Retort Processed Ready-to-eat Foods Available in the Markets of Kashmir Valley, India
- 3107-3116** D. John Babu, B. Sumalatha, T.C. Venkateswarulu, K. Maria Das & Vidya P. Kodali
Kinetic, Equilibrium and Thermodynamic Studies of Biosorption of Chromium (VI) from Aqueous Solutions using *Azolla filiculoides*

CONTENTS

- 3117-3122 **Wael N. Hozzein, Marzouka S. Abdel Tawab, Mohammed B. Ahmed, Mohammed A.M. Wadaan**
Production and Purification of a Protease Enzyme Produced by a *Streptomyces* Strain Isolated from a Wastewater Treatment Plant
- 3123-3128 **Sherif H. Abd-Alrahman, Manal E. A. Elhalwagy and A. Mostafa**
Antimicrobial Activity of Volatile Oils Derived from Ethanolic Garlic Extract
- 3129-3133 **K.G. Siddalingeshwara, K. Lingappa, T. Vishwanatha and T. Pramod**
Role of Alcohol and Metal Ions as A Trace Elements on Biosynthesis of L-asparaginase from *Aspergillus terreus*
- 3135-3142 **R. Manikandan, S. Sathish, N. Balakrishnan, V. Balasubramani, D. Sudhakar and V. Udayasuriyan**
Agrobacterium Mediated Transformation of Indica Rice with Synthetic cry2AX1 gene for Resistance against Rice Leaf Folder
- 3143-3146 **Satabdi Bhattacharjee, Debarati Choudhury, Anand Maurya, Debadatta Dhar(Chanda) and Amitabha Bhattacharjee**
Efflux Pump Mediated Carbapenem and Fluroquinolone Resistance Among Nosocomial Isolates of *Escherichia coli*: A Study from North East India
- 3147-3153 **Priti Binita Lakra, Sukantibala Mohapatra and Pratima Ray**
Quantitative Estimation of α -amylase of *Bacillus* spp. Isolated from Water and Sediment of Bhitarkanika Mangrove Ecosystem
- 3155-3164 **K. Mohana Priya and Samanta S. Khora**
In vitro Antioxidant, Antimicrobial, Haemolytic and Cytotoxic Activity of Brown Alga *Padina gymnospora* from South East Coast of India
- 3165-3169 **Thadiyam Puram Ramees, Ramswaroop Singh Rathore, Prashanth Suresh Bagalkot, G.V.P.S. Ravi Kumar, Hosakote Venkatappa Mohan, R. Anoopraj, Ashok Kumar and Kuldeep Dhama**
Real-Time PCR Detection of *Arcobacter butzleri* and *Arcobacter cryaerophilus* in Chicken Meat Samples
- 3171-3177 **Bi Bi Zainab Mazhari and Dayanand Agsar**
Synthesis, Characterization and Antimicrobial Attributes of Gold Nanoparticles Mediated by Nadh-Dependent Reductase of *Streptomyces* sp. DBZ-39
- 3179-3183 **Arnab Kumar Mandal, Jayati Das, Debasis Das, Subhrajyoti Naskar, Somnath Naskar and Swapan Kumar Sardar**
Onychomycosis: Fungal Isolates and Pattern of Infection in Kolkata, India
- 3185-3193 **M. Rameshpathy, G. Jayaraman, A.S. Vickram, S. Venkatkumar, Raja Das and T.B. Sridharan**
Optimization and Validation of β -lactamase Production by *Bacillus cereus* VITMUT using Response Surface Method and Artificial Neural Network

CONTENTS

- 3195-3201** **Rahul C. Salunkhe, Bipinchandra K. Salunke, Ravindra D. Chaudhari, Ketan P. Narkhede and Yogesh S. Shouche**
Detection and Characterization of Novel Wolbachia Strain in Spodoptera litura Collected from Western Ghats, India
- 3203-3208** **Shweta Sharma, Pankaj Prakash Verma and Mohinder Kaur**
Isolation, Purification and Estimation of IAA from *Pseudomonas* sp. using High-performance Liquid Chromatography
- 3209-3212** **Pooja Sarmah, A.R. Hanumanthappa and N.R. Chandrappa**
Serodiagnosis and Clinical Profile of Dengue Virus Infection in Patients Presenting to A Tertiary Care Hospital
- 3213-3221** **Shraddha Bhatt, R.V. Vyas, Sneha Mistry and H.N. Shelat**
Bioproduction of Indole Acetic Acid (IAA) by *Rhizobium* Strains Isolated from Root Nodules of Green gram, *Vigna radiata* L.
- 3223-3228** **Ankita Tandel, Mohsin Topivala, Amit Mehta, Chaitanya Mogal and Mrugesh Khunt**
Effect of Different Parameters on the Growth of Cellulose Decomposing Bacteria
- 3229-3236** **Babita Mukhija, Veena Khanna, Palika Sharma and Sukhjinder Kaur**
Biological Control of Fusarium Wilt in Chickpea by Co-Inoculation of Antagonistic Plant Growth Promoting Rhizobacteria and Mesorhizobium
- 3237-3244** **P. Nalini, T. Prabhakar, P. Ellaiah and G. Girijasankar**
Isolation of Alkaline Phosphatase Producing Bacteria Employing A Novel Screening Medium for Phosphatases
- 3245-3252** **S. Shivaveerakumar, D.N. Madhusudhan, H. Raghavendra and Dayanand Agsar**
Screening of *Streptomyces* and Process Optimization for the Production of Tyrosinase
- 3253-3261** **Kiran, Deepak Kumar Malik and Sunita Khatak**
Comparative Antimicrobial Activity of Leaves and Callus of *Gymnema sylvestre* against Pathogenic Bacteria
- 3263-3268** **K. Vithiya, Rajendran Kumar and Shampa Sen**
Antimicrobial Activity of Biosynthesized Silver Oxide Nanoparticles
- 3269-3272** **Amrita Narula and Leela Wati**
Paddy Straw Supplementation to Cattle Dung for Enhanced Biogas Production and Enrichment of Effluent Slurry
- 3273-3278** **A.R. Alagawadi, S. Ammanna and C.K. Doddagoudar**
Isolation & Molecular Characterization of Endorhizospheric Diazotrophs of Western Ghats
- 3279-3283** **Sangram Ramane, Rishendra Verma, Tista Mondal and Vikramaditya Upmanyu**
Molecular Confirmation of Conserved Nature of RD Region Encoded Genes from Indian Strain of *Mycobacterium bovis*
- 3285-3290** **Wael N. Hozzein, Mohammed I.A. Ali, Ola Hammouda and Ahmed S. Mousa**
Characterization of a New Alkaliphilic Nocardiosis Strain from the Desert of Egypt

CONTENTS

- 3291-3298 Mohamed K. Al-Sadoon and Assem Fahim**
Effects of an Acute Envenomation of *Echis coloratus* on Some Tissues Enzymes Activities of Male Rats
- 3299-3307 A. Elamurugan, Alka Tomar and Vishesh Kumar Saxena**
Identification of True Exogenous Avian Leukosis Virus Transmitters by Serological and Molecular Assays
- 3309-3312 K.M. Swamy and M.S. Patil**
Serological and Molecular Detection of Peanut Bud Necrosis Virus (PBNV) causing Bud Necrosis Disease in Groundnut
- 3313-3324 Vanaja Nuthalapati, Ramalingam Chidambaram, Nandita Das Gupta, Shivendu Ranjan, Lina Rose Varghese and Sanjeeb Kumar Mandal**
Optimization of Growth Medium using a Statistical Approach for the Production of Plant Gallic Acid from a Newly Isolated *Aspergillus tubingensis* NJA-1
- 3325-3334 V. Suganthi and V. Mohanasrinivasan**
Molecular Characterization of Potential Bacteriocin Producing Lactic Acid Bacteria and Its Efficacy against Food Borne Pathogens
- 3335-3337 T. Arul Kumar, S. Saravanan and M. Sasikala**
Assessment of Food Safety with Reference to *E. coli* in Broiler Chicken Meat
- 3339-3343 K. Aravind, T. Parameswara Naik and K. Krishnaswamy**
Exopolysaccharide Production Potential of Yeast *Cryptococcus flavescens* SK01 Strain from the Phylloplane of *Semecarpus kathalekanensis*
- 3345-3355 Pyusha J. Dudhatra, Kajal G. Solanki, Jigna G. Tank, B.P. Sheth & Vrinda S. Thaker**
Haplotype Studies in Bacterial Species Surviving in Different Areas
- 3357-3362 Nisar A. Dar, Rayees A. Ahanger, S.K. Singh, Hilal Ahmad Bhat, Vikas Gupta and V.K. Razdan**
Management of Brown Rust (*Puccinia recondita*) of Wheat and its Impact on Yield under Jammu Sub-tropics of India
- 3363-3366 Kotgire Ganesh and B.P. Mehta**
Detection of Fungal Pathogens on Groundnut Seeds in Different Tribal Localities of Dangs District under South Gujarat
- 3367-3372 Priyanka Bordoloi, Krishna Sharma, Rajib Sharma and Sutopa Das**
Application of Reverse Transcription PCR for Detection of Foot and Mouth Disease Virus Type O in Infected and Recovered Animals