

CONTENTS

- 387-392 **Syarul Nataqain Baharum, Maya Erna Nathan and Mohd Azinuddin Ahmad Mokhtar**
Molecular Characterization of Lipase Producer from Local Marine Environment
- 393-401 **Hira Helwati, Rukman Hertadi, Fida Madayanti and Akhmaloka**
Construction, Expression and Purification of DNA Pol I ITB₁ and its Deletion Mutants
- 403-410 **K. Nadarajah and T.Y.W. Cheng**
Isolation and Characterization of Fungal Chitosan from Malaysian Isolates
- 411-414 **Mohammed A. Ibrahim, Sahar Abdul-Wahab, Rima Albesharat,
Haithum W. Al-Obaide, Mohannad M. Al-Obaidi and Khulud Alsouleman**
RAPD-PCR Analysis of *Streptomyces* sp. with Novel Antibacterial Activity
- 415-420 **Raymond C. Jagessar, S. Gomathinayagam, N. Balasubramanian,
V. Shanmugaiah and P.T. Manoharan**
Synthesis of α,β -Unsaturated Carbonyl Compound and Effect on Antifungal and Antibacterial Activity
- 421-424 **Gh. Peyvast, J.A. Olfati, A. Kariminia and A. Fallah**
Rhizobia as Biofertilizer for Oyster Mushroom Cultivation
- 425-428 **Mohammed A. Ibrahim and Ahmed K. Ibraheem**
A Study on Adherence of Multiple Antibiotic Resistant Strains of *Escherichia coli* to Uroepithelial Cells
- 429-434 **Sang-Suk Kim, Gwanpil Song, Tae-Heon Oh, Kil-Nam Kim, Eun-Jin Yang,
Ji-Young Kim, Nam Ho Lee and Chang-Gu Hyun**
Antimicrobial Effect of *Lindera erythrocarpa* Essential Oil Against Antibiotic-Resistant Skin Pathogens
- 435-440 **K. Krishnamurthy, Deepti Rao, Poonam Agarwal and Gururaja Ramavana**
One-Step Gram PCR Assay for Rapid and Accurate Bacterial Differentiation
- 441-452 **Julia Serkedjieva and Iskra Ivanova**
In vitro and *in vivo* Influenza Virus Inhibitory Effects of a Bacterial Protease Inhibitor
- 453-456 **Sahar A. Alshalchi, Sijal W. Alrikabi and Ahmad Sahi**
Possible Involvement of Plasmids in the Expression of Killer Toxins of *Saccharomyces cerevisiae*
- 457-466 **Mohamed H. Al-Wahaibi**
Desert Plants and Mycorrhizae (A mini-review)
- 467-472 **Fatih Kalyoncu, Mustafa Oskay and Meryem Kalyoncu**
The Effects of Some Environmental Parameters on Mycelial Growth of 6 *Morchella* sps
- 473-476 **I.S. Ndams, I.A. Joshua, S.A. Luka, H.O. Sadiq, S. Adewumi and E. Bawa**
Biochemical Analysis of HIV and HBV Infected Pregnant Women in Minna, Nigeria

CONTENTS

- 477-483 **J. Vanajakshi, Ch. Subhakar and Annapurna Jetty**
Media Engineering for the Production of Cellulases by a Novel Strain *Aspergillus* sp. ICT-F 141 using Wheat Bran as Raw Material
- 485-488 **K. Vijay Krishna Kumar, S. Krishnam Raju, M.S. Reddy, J.W. Kloepper, K.K. Lawrence, D.E. Groth, M.E. Miller, H. Sudini and Binghai Du**
Evaluation of Commercially Available PGPR for Control of Rice Sheath Blight Caused by *Rhizoctonia solani*
- 489-493 **I.A. Joshua, S.K. Musa, A. Otu, M. Andrew and M.S. Abubakar**
Profile and Knowledge of Food Hygiene & Safety of Food Handlers in a University Campus
- 495-502 **K. Haritha and K.R.S. Sambasiva Rao**
Effect of pH and Nutrient Starvation on Biodegradation of Azo Dyes by *Phanerochaete chrysosporium*-Rp78
- 503-516 **P. Abhilash, S. Pradeep, R.B. Smitha, V.N. Jisha, S. Balachandran & Sailas Benjamin**
Effect of Certain Anti-diabetic Ayurvedic Drugs Against Microbes Causing Diabetes-Dependent Infections
- 517-526 **Indu Sharma, A. Kumar and A.K. Pramanik**
Isolation and Identification of Mesophilic Aeromonas Bacteria from Meat and Fish Foods of North East India
- 527-534 **V. Padmapriya and N. Anand**
Differential Responses of Superoxide Dismutase in *Anabaena variabilis* to Metal Chelators
- 535-542 **T.R. Angeline Shimly, R. Sridar and P. Logeshwaran**
Isolation of Bifidobacterium from Infant Feces and its Characterization
- 543-550 **C. Vidya Lakshmi and N. Tejo Prakash**
In situ Bioremediation of Chlorpyrifos in Cotton Fields: Possible Role of Plant-Microbe Interaction
- 551-558 **Anbalagan Ezhilarasi and Narayanaswamy Anand**
Fatty Acid Composition Reveals Morphological Heterogeneity of Freshwater *Anabaena* strains
- 559-565 **Nitin Verma, M.C. Bansal and Vivek Kumar**
Studies on Pelleted Form of Growth Morphology Achieved by *Aspergillus* strains with Different Sugar Treatment Under Submerged Cultivation
- 567-572 **K. Veenagayathri and N. Vasudevan**
Isolation of Bacterial Strains Degrading High Concentration of Phenol from Wastewater Contaminated Sites
- 573-581 **B. Sri Ramya, P. Janaki Ramayya and S.A. Mastan**
Cloning of a Hypothetical NiCoT gene of *Neurospora crassa*

CONTENTS

- 583-590** **V. Thirumalai Arasu, T. Sivakumar, V. Ramasubramanian, K. Nalini and R. Kiruthiga**
The Potential Application of Keratinase from *Bacillus* sp. as Plant Growth Promotors
- 591-596** **C. Arunachalam and A. Ambika**
Potential use of *Oscillatoria terebriformis*, A Marine Cyanobacterium for the Treatment of Industrial Effluents through Bioremediation
- 597-603** **N.R. Shaikh and M.B. Gandhi**
Response of Halotolerant Rhizobia of *Glycine max* (L.) to Various Salts and pH Values
- 605-612** **Shweta Chouhan, Devendra Choudhary, Nipun Silawat, Anil Prakash Mathur and Narendra Nath Mehrotra**
Micro Diversity in Individuals of Same Species Residing in Restricted Ecotypes
- 613-616** **V. Muthumani and J. Jensi**
Comparative Study of Fly Ash and Fly Ash Mixed Bacterial Culture on the Growth of *Arachis hypogea*
- 617-624** **K. Raja Pandiyan, S. Shanthi, P. Raja, J.S. Gnanaraj Jesudian and S. Madhavan**
Prevalence and Multi Drug Resistance Pattern of Uro Pathogens in Tribal and Tea Garden Workers in Assam
- 625-630** **S.R. Murali and M.R. Rajan**
A Comparative Study on Sulphate Reduction from Tannery Effluent by Biosorbent with Microbes and Isolation and Molecular Characterization of Microbes Involved in Reduction
- 631-636** **M. Thirumala, S. Vishnuvardhan Reddy and S.K. Mahmood**
Isolation and Identification of Some *Bacillus* spp. Producing Poly-3-hydroxybutyrate (PHB)
- 637-642** **K. Ramaswamy, N. Vijayarangan and H.E. Krishnaiah**
Insecticidal Effect of *Beauveria Bassiana* and *Paecilomyces fumosoroseus* alone and in Combination with Diatomaceous Earth Against Rice Weevil (*Sitophilus oryzae*) and Red Flour Beetle (*Tribolium castaneum*)
- 643-648** **C. Vijaya, D. Vani, G. Jayabalan and A. Babu Thandapani**
Thermostable Alkaline Protease from a Soil Isolate of Alkalophilic *Bacillus* species
- 649-654** **C. Chellaram and J.K.P. Edward**
Improved Recoverability of Bacterial Strains from Soft Coral, *Lobophytum* sp. for Antagonistic Activity
- 655-660** **M. Thirumala, S. Vishnuvardhan Reddy and S.K. Mahmood**
Production of poly-(3-hydroxybutyrate) by Native *Bacillus* Isolates from Agricultural Wastes
- 661-666** **M. Muthuselvam and S. Arunkumar**
Biological Degradation of Herbicide (Atrazine) using *Pseudomonas aeruginosa* and *Trichoderma viridae*
- 667-674** **Gururaj H. Pagad, D. Radhakrishna and H.R. Nagendra**
The Effect of Homa Emmisions on pH of the Nutrient Medium

CONTENTS

- 675-678 **Subramani and Rajendran**
Bioload Reducing Potential of Neem
- 679-683 **Suvarna Joshi, Yagnesh Thakar and Ashok Gomashe**
Study of Virulence Markers of *E. coli* Isolated from U.T.I.
- 685-689 **C. Arunachalam and R. Rajasekaran**
Studies on the Productivity of Poly-b-hydroxybutyrate by *Alcaligenes eutrophus* and *Rhizobium meliloti* using Waste Substrate
- 691-694 **S. Dinakar and C. Sekar**
Azospirillum Biofloc, A new Generation of Agricultural Bioinoculant Suitable for Environmental Stesses
- 695-699 **B. Mohana Gandhi and C. Angaleswari**
A Study on Biopotentials of Fermented Tea
- 701-704 **S.M. More, A.V. Girde and M.M.V. Baig**
Production and Characterization of Lipolytic Enzymes by Seed Borne Fungi in Soybean
- 705-708 **C. Mahalakshmi, S. Miller Samson, S. Alagendran, R. Anusha and E. Neelamathi**
Effect of UV and EMS Mutation on *Aspergillus niger* in the Production of α -amylase
- 709-713 **Nilima Wahegaonkar, Anita Nikam and S.M. Salunkhe**
Phosphate Solubilizing Efficiency of Some Fungi Isolated from Soils of Aurangabad, M.S.
- 715-718 **T.C. Diana and K. Sree Ramulu**
Observation of Carbohydrate Levels in Liver and Intestine of *Nemipterus japonicus* in relation to *Klebsiella* spp infection
- 719-723 **Sanjay Mohan Shrivastava, Sanjeev Kumar Shukla, Shailesh Kumar and Manu Chaudhary**
Comparative Study of Efficacy of Fixed Dose Combination of Ceftriaxone Sulbactam and Ceftriaxone Tazobactam
- 725-729 **J. Kamaleswari, S. Murugesan and V. Sivasubramanian**
Bioremediation of Automobile Effluent Using Cyanobacterium
- 731-734 **Anupma Srivastava and A.K. Pandey**
Herbicide Induced Reversion to Prototrophy of a Non-Sporulating Mutant of *Anabaena doliolum*
- 735-738 **M. Thirumala, S. Vishnuvardhan Reddy and S.K. Mahmood**
Production of Poly-3-hydroxybutyrate from Inexpensive Substrates
- 739-742 **D. Satya Ranjan, Y. LakshmiVasavi and J. Shankar**
Molecular Identification & Classification of Unknown Microorganisms Based on 16s rRNA
- 743-746 **Vandana Magarde, S.A. Iqbal and Neelofar Iqbal**
Pollution Study of Upper Lake of Bhopal, India

CONTENTS

- 747-750 **A. Ramachandran and D. Natarajan**
Antifungal Activity of *Euphorbia fusiformis*: A Redlisted Medicinal Plant
- 751-754 **V. Naga Lakshmi**
Swine Flu, The New Killer-How we Save the Humanity
- 755-758 **A. Anitha and M. Rebeeth**
Survey, Isolation of Soil Borne Pathogenic Fungi (Fusarium wilt) from
Tomato Cultivated Areas
- 759-767 **DSVGK. Kaladhar, S. Harasreeramulu, K. Vijaya Rachel and CH. Surekha**
Evaluation of Antimicrobial activity of Methanolic Leaf Extracts of Selected *in vitro* and
in vivo Grown Convolvulaceae Members
- 769-776 **K. Himakar Reddy, K. Bala Nagi Reddy, P.V.G.K. Sharma and O.V.S. Reddy**
In vitro Studies on Antimicrobial and Antioxidant Activities of *Dillenia indica* Seed Extract
- 777-784 **S.K. Panda, B.C. Behera and S.K. Dutta**
Anti-candidal Activity of *Vitex negundo* L.: An Ethnomedicinal Plant
- 785-788 **T. Ushadevi and A. Panneerselvam**
Antimicrobial Activity of Mangrove Wood Fungi
- 789-791 **S.N. Suresh and N. Nagarajan**
Mycorrhizal Association of *Glomus aggregatum* with *Begonia malabarica* Enhances the
Growth and Biomass
- 793-796 **M. Rama Prabha and K. Vasantha**
Antifungal Activity of *Calotropis procera* (Ait.) R. Br. flowers
- 797-799 **Neerja Shrivastava and Dharmendra Kumar Sharma**
Evaluation of Antibacterial Activity of *Cleome viscosa*
- 801-803 **S.N. Suresh and N. Nagarajan**
Antimicrobial Activity and Preliminary Phytochemical Analysis of *Begonia malabarica*
- 805-810 **K. Kannan and C. Sekar**
Influence of Abiotic Factors on Multigeneric Coaggregation Among Diazotrophic Bacteria
- 811-814 **Hemant Kumar Khuntia, Surya Kanta Samal, Rajesh Kumar Sahoo,
Santanu Kumar Kar and Bibhuti Bhusan Pal**
Escalating emergence of Fluoroquinolone-Resistant Strains of *Vibrio cholerae* O1 and
O139 among Hospitalized Patients with Cholera in Orissa, India