

52

The Official Publication of the Association of Microbiologists of India



Indian Journal of Microbiology

SR

27/9/18

CONTENTS

Review Article

1. Wastewater: A Potential Bioenergy Resource 127
J. Prakash · R. Sharma · S. Ray · S. Koul · V.C. Kalia

Original Research Articles

2. Virulence Factors in *Candida albicans* and *Streptococcus mutans* Biofilms Mediated by Farnesol 138
R.A. Fernandes · D.R. Monteiro · L.S. Arias · G.L. Fernandes · A.C.B. Delbem · D.B. Barbosa
3. In Vitro Anticancer Activity of Staphyloxanthin Pigment Extracted from *Staphylococcus gallinarum* KX912244, a Gut Microbe of *Bombyx mori* 146
D.A. Barretto · S.K. Vootla
4. Identification and Pathogenicity of Fungal Pathogens Causing Black Point in Wheat on the North China Plain 159
K.-G. Xu · Y.-M. Jiang · Y.-K. Li · Q.-Q. Xu · J.-S. Niu · X.-X. Zhu · Q.-Y. Li
5. Adaptive Strategies of *Bacillus thuringiensis* Isolated from Acid Mine Drainage Site in Sabah, Malaysia 165
L.Y. Yik · G.J.W.L. Chin · C. Budiman · C.G. Joseph · B. Musta · K.F. Rodrigues
6. Cloning of *ompA* gene from *Acinetobacter baumannii* into the eukaryotic expression vector *pBudCE4.1* as DNA vaccine 174
H. Ansari · A. Doosti · M. Kargar · M. Bijanzadeh · M. Jaafarinia
7. Potential of Marine-Derived Fungi to Remove Hexavalent Chromium Pollutant from Culture Broth 182
N.P. Lotlikar · S.R. Damare · R.M. Meena · P. Linsy · B. Mascarenhas
8. Transformation Products of Carbamazepine (CBZ) After Ozonation and their Toxicity Evaluation Using *Pseudomonas* sp. Strain KSH-1 in Aqueous Matrices 193
K. Dwivedi · A.P. Rudrashetti · T. Chakrabarti · R.A. Pandey
9. Incubation of *Aquilaria subintegra* with Microbial Culture Supernatants Enhances Production of Volatile Compounds and Improves Quality of Agarwood Oil 201
S. Monggoot · C. Kulsing · Y.F. Wong · P. Pripdeevech
10. Production of a Mixture of Fengycins with Surfactant and Antifungal Activities by *Bacillus* sp. MA04, a Versatile PGPR 208
A. Hernández-Morales · R.-A. Martínez-Peniche · J. Arvizu-Gómez · S.-M. Arvizu-Medrano · A. Rodríguez-Ontiveros · M.-A. Ramos-López · J.-R. Pacheco-Aguilar
11. Extracellular Synthesis and Characterization of Gold Nanoparticles Using *Mycobacterium* sp. BRS2A-AR2 Isolated from the Aerial Roots of the Ghanaian Mangrove Plant, *Rhizophora racemosa* 214
M. Camas · A. Sazak Camas · K. Kyeremeh
12. First Report of a New Isolate of *Metarhizium rileyi* from Maize Fields of Quivicán, Cuba 222
S.P. Álvarez · A.M. Guerrero · B.N.D. Duarte · M.A.M. Tapia · J.A.C. Medina · Y. Domínguez Rodríguez