

## CONTENTS

### Review Article

1. Challenges and Opportunities for Customizing Polyhydroxyalkanoates  
M. Singh · P. Kumar · S. Ray · V.C. Kalia 235

### Original Articles

2. Genome Wide Analysis for Searching Novel Markers to Rapidly Identify *Clostridium* Strains  
A. Kekre · A. Bhushan · P. Kumar · V.C. Kalia 250
3. Enhancing Degradation of Low Density Polyethylene Films by *Curvularia lunata* SG1 Using Particle Swarm Optimization Strategy  
S. Raut · S. Raut · M. Sharma · C. Srivastav · B. Adhikari · S.K. Sen 258
4. Diversity of the Intestinal Bacteria of Cattle Fed on Diets with Different Doses of Gelatinized Starch-Urea  
Z. Cui · Q. Meng · W. Ma · X. Zhang · Z. Zhou · L. Ren 269
5. Effect of Direct-Current Electric Field on Enzymatic Activity and the Concentration of Laccase  
C. Wang · H. Zhang · D. Ren · Q. Li · S. Zhang · T. Feng 278
6. Mapping of the Interaction Between *Agrobacterium tumefaciens* and *Vanda* Kasem's Delight Orchid Protocorm-Like Bodies  
P. Gnasekaran · S. Subramaniam 285
7. Fermentative Production of Pyranone Derivate I from Marine *Vibrio* sp. SKMARSP9: Isolation, Characterization and Bioactivity Evaluation  
P. Shiva Krishna · B. Sudheer Kumar · P. Raju · M.S.R. Murty · T. Prabhakar Rao · M.A. Singara Charya · R.S. Prakasham 292
8. Copper(II) Complexes with N,O-Donor Ligands and Ofloxacin Drug as Antibacterial, DNA Interacting, Cytotoxic and SOD Mimic Agent  
P.S. Karia · P.A. Vekariya · A.P. Patidar · M.N. Patel 302
9. Functional Identification of OphR, an IctR Family Transcriptional Regulator Involved in the Regulation of the Phthalate Catabolic Operon in *Rhodococcus* sp. Strain DK17  
K.Y. Choi · B.S. Kang · M.H. Nam · W.J. Sul · E. Kim 313
10. Molecular Epidemiology of Nontyphoidal Salmonella in Poultry and Poultry Products in India: Implications for Human Health  
S. Saravanan · V. Purushothaman · T.R.G.K. Murthy · K. Sukumar · P. Srinivasan · V. Gowthaman · M. Balusamy · R. Atterbury · S.V. Kuchipudi 319
11. Promising Biological Indicator of Heavy Metal Pollution: Bioluminescent Bacterial Strains Isolated and Characterized from Marine Niches of Goa, India  
N.A. Thakre · A.S. Shanware 327
12. In Silico Analog Design for Terbinafine Against *Trichophyton rubrum*: A Preliminary Study  
S. Karumuri · P.K. Singh · P. Shukla 333

### Opinion Article

13. Ethics in Science  
O.P. Sharma 341

14. Anti-chlamydial IgG Neutralizing Ability in Nonzoonotic Atypical Community Acquired Respiratory Tract Infections

S. Pignanelli · G. Pulcrano · V.D. Iula · A. Shurdhi

The copies of the journal to members of the association are sent by ordinary post. If any of the member wishes to receive the copies by registered post or courier, kindly contact the journal's/publisher's office. Membership or subscription copies returned due to incomplete, incorrect or charged address for two consecutive occasions, would force us to delete the names from the mailing list of the journal. Providing complete, correct and up-to-date address is the responsibility of the members. The editorial board, association or publisher will not be responsible for non-receipt of copies due to incorrect or incomplete address. The copy received for personal use by a member of the association/society, should not be sold or given away for commercial or library use. It is also illegal to acquire copies from any other source without subscribing to the journal.