

CONTENTS

Review Articles

1. Potential Emergence of Multi-quorum Sensing Inhibitor Resistant (MQSIR) Bacteria
S. Koul · J. Prakash · A. Mishra · V.C. Kalia 1
2. Exploration of Modulated Genetic Circuits Governing Virulence Determinants in *Staphylococcus aureus*
R. Arya · S.A. Princy 19

Original Articles

3. Microbiological Analyses of Traditional Alcoholic Beverage (Chhang) and its Starter (Balma) Prepared by Bhofiya Tribe of Uttarakhand, India
K.N. Bhardwaj · K.K. Jain · S. Kumar · R.C. Kuhad 28
4. Microbial Diversity in Soil, Sand Dune and Rock Substrates of the Thar Monsoon Desert, India
S. Rao · Y. Chan · D.C. Bugler-Lacap · A. Bhatnagar · M. Bhatnagar · S.B. Pointing 35
5. A Genome-Wide Profiling Strategy as an Aid for Searching Unique Identification Biomarkers for *Streptococcus*
V.C. Kalia · R. Kumar · P. Kumar · S. Koul 46
6. Augmentation of a Microbial Consortium for Enhanced Polylactide (PLA) Degradation
N.R. Nair · V.C. Sekhar · K.M. Nampoothiri 59
7. Searching Biomarkers in the Sequenced Genomes of *Staphylococcus* for their Rapid Identification
R. Kumar · S. Koul · P. Kumar · V.C. Kalia 64
8. Preparation of Bacterial Cellulose/Inorganic Gel or Bentonite Composite by In Situ Modification
B. Wang · G. Qi · C. Huang · X.-Y. Yang · H.-R. Zhang · J. Luo · X.-F. Chen · L. Xiong · X.-D. Chen 72
9. Factors Affecting Inducible Expression of Outer Membrane Protein A (OmpA) of *Shigella dysenteriae* Type-1 in *Lactococcus lactis* Using Nisin Inducible Controlled Expression (NICE)
B. Yagnik · S. Patel · M. Dave · D. Sharma · H. Padh · P. Desai 80
10. Thermostable Xanthine Oxidase Activity from *Bacillus pumilus* RL-2d Isolated from Manikaran Thermal Spring: Production and Characterization
N.K. Sharma · S. Thakur · N. Thakur · Savitri · T.C. Bhalla 88

Short Communications

11. Morphological and Molecular Characterization of Pomegranate Fruit Rot Pathogen, *Chaetomella raphegera*, and its Virulence Factors
M. Gajbhiye · S. Sathe · V. Shinde · B. Kapadnis 99
12. Development of a Specific Diagnostic System for Detecting Turnip Yellow Mosaic Virus from Chinese Cabbage in Korea
S. Lee · J.Y. Rho 103

13. Development of Nested PCR-Based Specific Markers for Detection of *Peach Rosette Mosaic Virus*
in Plant Quarantine

10

S. Lee · C.S. Kim · Y.G. Shin · J.H. Kim · Y.S. Kim · W.H. Jheong

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 changed 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.