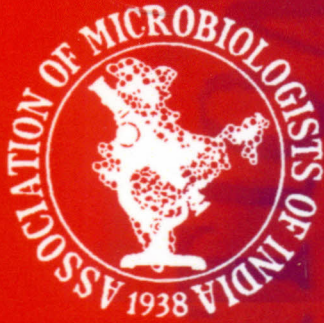


58

The Official Publication of the Association of Microbiologists of India



# Indian Journal of Microbiology

## CONTENTS

### Review Articles

1. Integration and Potential Application Ability of Culturable Functional Microorganism in Oil Tea  
Camellia 1  
**C. Liu · L. Chen · Z. He · Z. Zhang · Y. Xu · Z. Li · Y. Peng · N. Deng · Y. Chen**
2. Recent Clinical Trials on Natural Products and Traditional Chinese Medicine Combating the COVID-19 10  
**S.H. Nile · G. Kai**

### Original Research Articles

3. Do Maternal Microbes Shape Newborn Oral Microbes? 16  
**S. Wu · F. Yu · L. Ma · Y. Zhao · X. Zheng · X. Li · Z. Li · X. He · J. Zhou**
4. The Use of the Rare TTA Codon in *Streptomyces* Genes: Significance of the Codon Context? 24  
**S. Silov · N. Ziburanyi · M. Anisimova · B. Ostash**
5. Factors Affecting Bacterial Adhesion on Selected Textile Fibres 31  
**S. Varshney · A. Sain · D. Gupta · S. Sharma**
6. Metagenomic Analysis of the Faecal Microbiome of Rats with 1, 2-Dimethylhydrazine Induced  
Colon Cancer and Prophylactic Whole-Cell Carotenoid Intervention 38  
**S. Gomathinayagam · G. Kodiveri Muthukaliannan**
7. *Rhus vernicifera* Laccase Immobilization on Magnetic Nanoparticles to Improve Stability and  
Its Potential Application in Bisphenol A Degradation 45  
**S.K.S. Patel · R.K. Gupta · S.-Y. Kim · I.-W. Kim · V.C. Kalia · J.-K. Lee**
8. Pathogenic Microbial Profile and Antibiotic Resistance Associated with Periodontitis 55  
**R. Ansiliero · J.M.L.N. Gelinski · Q.L. Samistraro · C.M. Baratto · C.A. Almeida · C. Locatelli**
9. Autoinducer-2 Could Affect Biofilm Formation by Food-Derived *Bacillus cereus* 66  
**N. Lee · M.-D. Kim · M.-C. Lim**
10. *Lactococcus lactis* subsp. *cremoris* of Plant Origin Produces Antifungal Cyclo-(Leu-Pro)  
and Tetradecanoic Acid 74  
**M. Gajbhiye · B. Kapadnis**

### Short Communications

11. A Preliminary Assessment of Skin Microbiome Diversity of Zebrafish (*Danio rerio*):  
South African Pet Shop Fish 81  
**W.G. Coetzer · L.M. Coetzee · E.D. Cason · J.P. Grobler · S.R. Schneider · C.E. Boucher**
12. Antifungal Activity In Vitro and In Vivo of Mesquite Extract (*Prosopis glandulosa*) Against  
Phytopathogenic Fungi 85  
**A.N. López-Anchondo · D. López-de la Cruz · E. Gutiérrez-Reyes · J.C. Castañeda-Ramírez ·  
N.M. De la Fuente-Salcido**
13. Efficient Editing of an Adenoviral Vector Genome with CRISPR/Cas9 91  
**Q. Li · H. Wang · C. Gong · Z. Chen · J. Yang · H. Shao · W. Zhang**
14. Prevalence of Histidine Decarboxylase Genes of Gram-Positive Bacteria in *Surströmming*  
as Revealed by qPCR 96  
**L. Belleggia · V. Milanović · F. Cardinali · C. Garofalo · F. Clementi · L. Aquilanti · A. Osimani**

15. Potentiation of Antibiotic Activity by a Meldrum's Acid Arylamino Methylene Derivative against Multidrug-Resistant Bacterial Strains 100  
**M.M.C. da Silva · J.B. de Araújo-Neto · A.C.J. de Araújo · P.R. Freitas · C.D. de M. Oliveira-Tintino · I.M. Begnini · R.A. Rebelo · L.E. da Silva · S.L. Mireski · M.C. Nasato · M.I.L. Krautler · J. Ribeiro-Filho · H.D.M. Coutinho · S.R. Tintino**
16. Restoring Good Health in Elderly with Diverse Gut Microbiome and Food Intake Restriction to Combat COVID-19 104  
**L. Yu**

**Correspondence**

17. Sukshmjeevanu in Vedas: The Forgotten Past of Microbiology in Indian Vedic Knowledge 108  
**U. Kuhad · G. Goel · P.K. Maurya · R.C. Kuhad**

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.