

Advances in Microbiology



Journal Editorial Board

ISSN Print: 2165-3402 ISSN Online: 2165-3410

<http://www.scirp.org/journal/aim>

Editors-in-Chief

Prof. Yung-Fu Chang Cornell University, USA

Prof. Alan W. Decho University of South Carolina, USA

Associate Editors-in-Chief

Dr. Thaddeus Chukwuemeka Ezeji The Ohio State University & OARDC, USA

Dr. Chang-Hui Shen University of New York (CUNY), USA

Editorial Board

Dr. Kayanush (Kai) J. Aryana	Louisiana State University, USA
Prof. Andrei L. Barkovskii	Georgia College & State University, USA
Prof. Frans J. de Bruijn	INRA/CNRS Laboratory of the Interaction Plant-Microorganisms, France
Prof. Sang Ho Choi	Seoul National University, South Korea
Dr. Mohamed O. Elasri	The University of Southern Mississippi, USA
Prof. Daniel Y. C. Fung	Kansas State University, USA
Prof. Elisabeth Grohmann	University of Freiburg, Germany
Dr. Kaisa Haukka	University of Helsinki, Finland
Prof. Ming-Liang He	The Chinese University of Hong Kong, China
Prof. Carlos A. Jerez	University of Chile, Chile
Dr. Zvi Kelman	University of Maryland, USA
Prof. Mohiuddin Md. Taimur Khan	University of New Mexico, USA
Dr. Jian Li	Monash University, Australia
Prof. Yanbin Li	University of Arkansas, USA
Dr. Pamela A. Marshall	Arizona State University, USA
Prof. James Gordon Mitchell	Flinders University, Australia
Dr. Xiaozhen Mou	Kent State University, USA
Prof. Saleh A. Naser	University of Central Florida, USA
Prof. Michele K. Nishiguchi	New Mexico State University, USA
Prof. Heui-Dong Park	Kyungpook National University, South Korea
Prof. Ales Prokop	Technical University Ostrava, Czech Republic
Prof. Alexander Rapoport	University of Latvia, Latvia
Dr. Jyotisna Saxena	The Ohio State University, USA
Dr. Abdelaal Shamseldin	Genetic Engineering and Biotechnology Research Institute, Egypt
Dr. Joy Sinha	ANDalyze, Inc., USA
Dr. Jun Sun	Rush University, USA
Dr. Jimmy Siu Hung Tsang	The University of Hong Kong, China
Dr. Michael K. Watters	Valparaiso University, USA
Dr. Donghui Wen	Peking University, China
Dr. Jing Xu	Northwestern University, USA
Prof. Zhongtang Yu	The Ohio State University, USA
Prof. Olga Zaborina	University of Chicago, USA
Dr. Zhe Zhang	Zhejiang University, China

Table of Contents

Volume 4 Number 16

December 2014

Identification of a Morphogenic Intermediate of the Bacteriophage Mu Baseplate

N. Tsukamoto, Y. Kanazawa, Y. Shimamori, K. Yoshida, S. Takeda.....1155

Molecular Identification of a Fungal Pathogen *Batrachochytrium dendrobatidis* and Its Impact on Urbanized New Jersey

T.-C. Chu, M. Y. Wu, L. Pohren, B. Haghjoo, C. Soman, L. H. Lee.....1164

Broad Antibacterial Activity of *Bothrops jararaca* Venom against Bacterial Clinical Isolates

L. H. Cendron, C. D. Bertol, D. B. Fuentefria, E. M. Calegari, E. Dallegrove, D. J. Moura, K. Moura,
M. D G. Marques, L. G. Rossato.....1174

Inhibition of Biofilms by Non-Thermal Plasma Treated Novel Solutions

U. K. Ercan, S. S. Joshi, A. Yost, N. Gogotsi, S. O'Toole, M. Paff, E. Melchior, S. G. Joshi.....1188

Screening of Several Anti-Infectives for *in Vitro* Activity against *Mycobacterium smegmatis*

G. L. Allotey-Babington, H. Nettey, P. Debrah, O. Adi-Dako, C. Sasu, A. Antwi, Y. Darko, N. Nartey, J. Asare.....1197

Comparative Evaluation of Traditional Susceptibility Testing for MRSA with the PCR Approach

T. Sandle, I. Azizov, D. Babenko, A. Lavrinenco, A. Chesca.....1204

Variation of the Consumption of Mushrooms by Pygmies and Bantus in the North of Gabon

H. C. Eyi Ndong, S. Mounguengui, C. Attéké, G. O. Ndong.....1212

Molecular Mechanisms of Raccoon Rabies Virus Progression in Its Natural Host

V. Srithayakumar, H. Sribalachandran, R. Rosatte, C. J. Kyle.....1222

Effect of Blood Agar from Different Animal Blood on Growth Rates and Morphology of Common Pathogenic Bacteria

T. O. Egwuatu, F. T. Ogunsola, I. M. Okodugha, B. Jide, D. G. Arewa, O. A. Osinuapebi.....1237

Enrichment of *Artemia* (Leach) Nauplii with Canola Oil: Effect on *Heros severus* (Heckel) Larvae Performance and Environmental Stress

J. Motamedeh Tehrani, E. Ebrahimi Dorche, S. A. H. Goli, P. Akbary.....1242

Partial Characterization of Bacteriocins from Two *Pediococcus acidilactici* Strains Isolated during Traditional Sorghum Beer Processing in Côte d'Ivoire

S. Aka-Gbezo, F. K. N'Guessan, T. N'Dédé Djeni, M. K. Djè, B. Bonfoh.....1250

Evidence of Synergistic Activity of Medicinal Plant Extracts against Neuraminidase Inhibitor Resistant Strains of Influenza Viruses

D. Rajasekaran, E. A. Palombo, T. Chia Yeo, D. Lim Siok Ley, C. Lee Tu, F. Malherbe, L. Grollo.....1260

Molecular Phylogeny of Arctic Microbes Using Metagenomic Approach

D. Ray, S. N. Mohandass, P. Roy.....1278

The figure on the front cover is from the article published in Advances in Microbiology, 2014, Vol. 4, No. 16, pp. 1212-1221 by Hugues Calixte Eyi Ndong, Steeve Mounguengui, Christiane Attéké and Geraldine Obone Ndong.

Advances in Microbiology (AiM)

Journal Information

SUBSCRIPTIONS

The *Advances in Microbiology* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: aim@scirp.org

Call for Papers



Advances in Microbiology

ISSN Print: 2165-3402 ISSN Online: 2165-3410

<http://www.scirp.org/journal/aim>

Advances in Microbiology (AiM) is an international journal dedicated to the latest advancement of Microbiology. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Microbiology.

Editors-in-Chief

Prof. Yung-Fu Chang

Prof. Alan W. Decho

Associate Editors-in-Chief

Dr. Thaddeus Chukwuemeka Ezeji

Dr. Chang-Hui Shen

Editorial Board

Dr. Kayanush (Kai) J. Aryana
Prof. Andrei L. Barkovskii
Prof. Frans J. de Bruijn
Prof. Sang Ho Choi
Dr. Mohamed O. Elasri
Prof. Daniel Y. C. Fung
Prof. Elisabeth Grohmann
Dr. Kaisa Haukka
Prof. Ming-Liang He
Prof. Carlos A. Jerez
Dr. Zvi Kelman

Prof. Mohiuddin Md. Taimur Khan
Dr. Jian Li
Prof. Yanbin Li
Dr. Pamela A. Marshall
Prof. James Gordon Mitchell
Dr. Xiaozhen Mou
Prof. Saleh A. Naser
Prof. Michele K. Nishiguchi
Prof. Heui-Dong Park
Prof. Ales Prokop
Prof. Alexander Rapoport

Dr. Jyotisna Saxena
Dr. Abdelaal Shamseldin
Dr. Joy Sinha
Dr. Jun Sun
Dr. Jimmy Siu Hung Tsang
Dr. Michael K. Watters
Dr. Donghui Wen
Dr. Jing Xu
Prof. Zhongtang Yu
Prof. Olga Zaborina
Dr. Zhe Zhang

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Applied and Environmental Microbiology
- Bacteriology
- Microbial Taxonomy
- Microbiology and Biochemistry
- Microbiology and Ecology
- Microbiology and Genetics
- Microbiology and Immunology
- Microbiology and Physiology
- Mycology
- Other Disciplines of Microbiology

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Website and E-Mail

<http://www.scirp.org/journal/aim>

E-Mail: aim@scirp.org