

# **Advances in Microbiology**

# Special Issue on Pathogen Research



www.scirp.org/journal/aim



# **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
Dr. Richard A. Slayden	Colorado State University, 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 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. Joy Sinha** ANDalyze, Inc., USA Dr. Jun Sun Rush University, USA Dr. Jimmy Siu Hung Tsang The University of Hong Kong, China Valparaiso University, USA Dr. Michael K. Watters Dr. Donghui Wen Peking University, China 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 2

#### January 2014

Microbial Diversity in Patients with Gastroduodenal Diseases	
S. Khetsuriani, K. Khetsuriani	69
Grape Phenolic Extract Potentially Useful in the Control of Antibiotic Resistant Strains of Campylobact	er
E. Mingo, A. V. Carrascosa, S. de Pascual-Teresa, A. J. Martinez-Rodriguez	73
Oral Lactobacillus plantarum NCIMB 8825 Inhibits Adhesion, Invasion and Metabolism of	
Neisseria meningitidis Serogroup B and Affords Anti-Inflammatory and Cytotoxic Protection	
to Nasopharyngeal Epithelial Cells	
T. L. Bekele, P. Keith, R. Adelina, S. Vyvyan, D. Victoria	81
Diagnosis and Control of Harpophora maydis, the Cause of Late Wilt in Maize	
O. Degani, G. Cernica	94
In Vitro Evaluation of Ozone Activity on Recent Clinically Isolated Bacterial Strains	
P. Tordiglione, F. S. M. Araimo Morselli, I. Scarpa, G. Puggioni, C. Mancini, G. Rosa, A. Giordano	106
Molecular and Pathogenic Study of Guignardia spp. Isolates Associated to Different Hosts	
E. Wickert, A. de Souza, R. M. Pereira, L. T. Kishi, E. G. de Macedo Lemos, A. de Goes	116
Utilizing Soybean Milk to Culture Soybean Pathogens	
Y. W. Xiang, T. Herman, G. L. Hartman	126
High Prevalence of Ciprofloxacin Resistance in Community Associated Staphylococcus aureus in a	
Tertiary Care Indian Hospital	
B. Chakrakodi, S. Prabhakara, S. Nagaraj, J. Etienne, G. Arakere	133

The figure on the front cover is from the article published in Advances in Microbiology, 2014, Vol. 4, No. 2, pp. 116-125 by Ester Wickert, *et al.* 

#### Advances in Microbiology (AiM)

#### **Journal Information**

#### **SUBSCRIPTIONS**

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

Subscription rates: Print: \$79 per issue. To subscript, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

#### SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

#### COPYRIGHT

Copyright©2014 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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: <u>aim@scirp.org</u>



# **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

Dr. Chang-Hui Shen

# Associate Editors-in-Chief

Dr. Thaddeus Chukwuemeka Ezeji

# **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 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 Dr. Richard A. Slayden

Prof. Alexander Rapoport Dr. Jyotisna Saxena Dr. Joy Sinha Dr. Jun Sun Dr. Jimmy Siu Hung Tsang Dr. Michael K. Watters Dr. Donghui Wen 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:

<ul> <li>Applied and Environmental Microbiology</li> </ul>	<ul> <li>Microbiology and Genetics</li> </ul>
Bacteriology	<ul> <li>Microbiology and Immunology</li> </ul>
<ul> <li>Microbial Taxonomy</li> </ul>	<ul> <li>Microbiology and Physiology</li> </ul>
<ul> <li>Microbiology and Biochemistry</li> </ul>	<ul> <li>Mycology</li> </ul>
<ul> <li>Microbiology and Ecology</li> </ul>	<ul> <li>Other Disciplines of Microbiology</li> </ul>

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