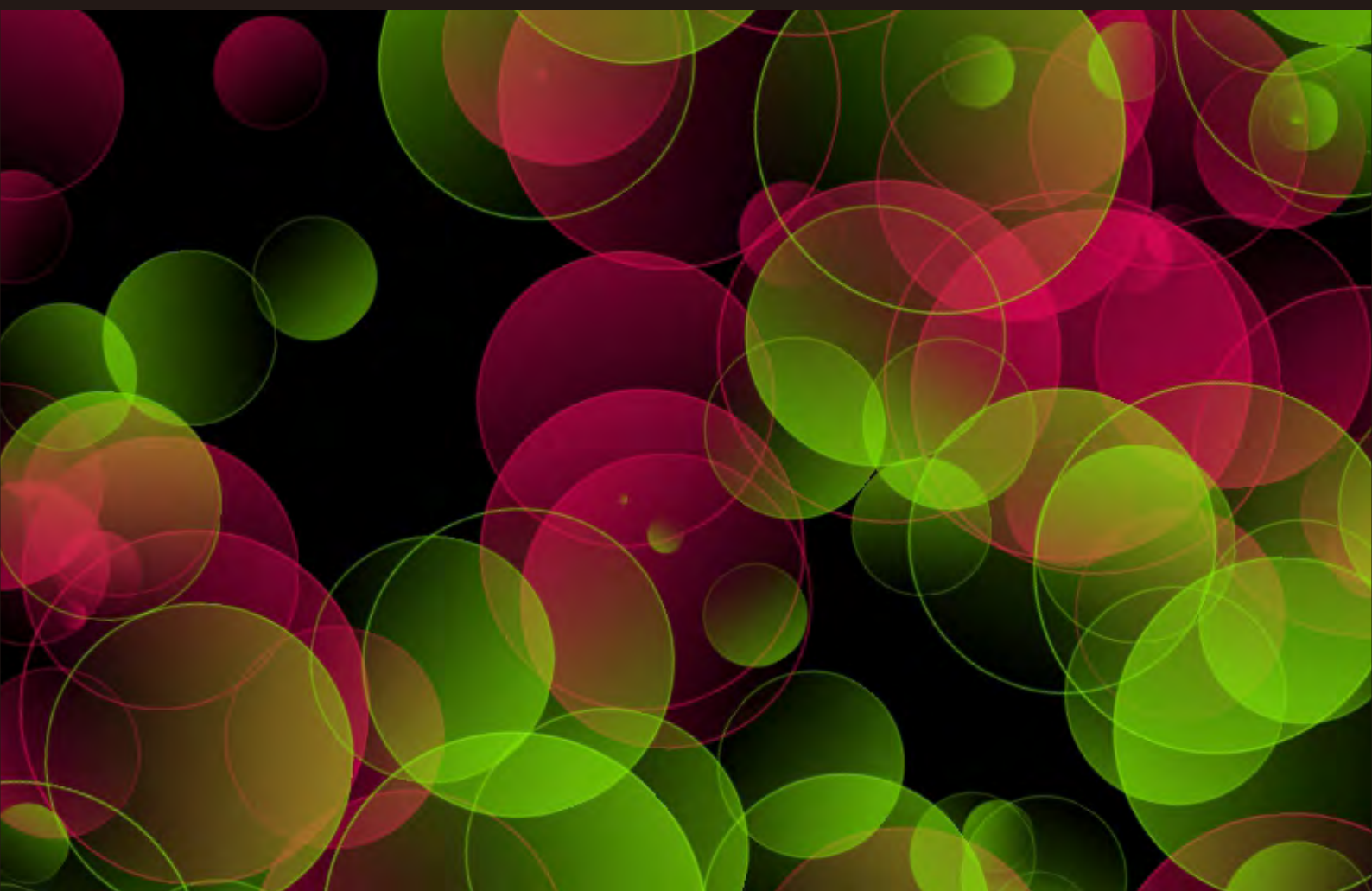


ISSN: 2165-3402 Volume 8, Number 3, March 2018



Advances in Microbiology



ISSN: 2165-3402



www.scirp.org/journal/aim

Journal Editorial Board

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

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

Associate Editors-in-Chief

Dr. Thaddeus Chukwuemeka Ezeji
Dr. Chang-Hui Shen

The Ohio State University & OARDC, USA
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
Dr. Payam Behzadi	Islamic Azad University, Iran
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. Gamil Sayed Gamil Zeedan	National Research Centre, Egypt
Prof. Elisabeth Grohmann	University of Freiburg, Germany
Dr. Kaisa Haukka	University of Helsinki, Finland
Prof. Ming-Liang He	City 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
Prof. 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. Maulin Pramod Shah	Industrial Waste Water Research Laboratory, India
Prof. Abdelaal Shamseldin	Genetic Engineering and Biotechnology Research Institute, Egypt
Dr. Jun Sun	Rush University, USA
Prof. Michael K. Watters	Valparaiso University, USA
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 8 Number 3

March 2018

Insights on Blood Cytokines Production under Different *In Vitro* Mycobacterial Antigens in Tuberculosis Intestinal Parasites Coinfected Patients

R. J. Silva, F. C. Q. Mello, J. A. Leung, A. H. A. Moraes Neto, L. S. Fonseca, H. R. Siqueira,
Health Care Victor Vala and CSEGSF Team, M. H. F. Saad.....161

Urinary Tract Infection among Pregnant Women at Pumwani Maternity Hospital, Nairobi, Kenya: Bacterial Etiologic Agents, Antimicrobial Susceptibility Profiles and Associated Risk Factors

H. A. Onyango, C. Ngugi, J. Maina, J. Kiiru.....175

Isolation, Identification and Antimicrobial Susceptibility Profile Analysis of *Vibrio cholerae* O1 from Stool Samples of Bangladesh

M. E. Uddin, T. Akter, P. Sultana, Md. I. Hasan, M. A. Lubna,
H. Al Monem, Md. A. K. Parvez, S. Nahar, Md. S. Khan.....188

Inhibitory Activity of *Paenibacillus* sp. Isolated from Soil in Gotsu City, Shimane Prefecture, Against *Xanthomas oryzae* pv. *oryzae*, the Causal Agent of Rice Bacterial Leaf Blight

M. N. Haidary, T. Tamura, M. Ueno.....197

Geothermal Diatoms: Seasonal Variability in the El Tatio Geothermal Field (Altiplano, Chile)

A. Angel, I. Vila, C. Díaz, X. Molina, P. Sepúlveda.....211

Biofilm Development, Plant Growth Promoting Traits and Rhizosphere Colonization by *Pseudomonas entomophila* FAP1: A Promising PGPR

F. A. Ansari, I. Ahmad.....235

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 © 2018 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 © 2018 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



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.

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

Prof. Andrei L. Barkovskii

Dr. Payam Behzadi

Prof. Frans J. de Bruijn

Prof. Sang Ho Choi

Dr. Mohamed O. Elasri

Prof. Daniel Y. C. Fung

Prof. Gamil Sayed Gamil Zeedan

Prof. Elisabeth Grohmann

Dr. Kaisa Haukka

Prof. Ming-Liang He

Prof. Carlos A. Jerez

Dr. Zvi Kelman

Prof. Mohiuddin Md. Taimur Khan

Prof. 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. Maulin Pramod Shah

Prof. Abdelaal Shamseldin

Dr. Jun Sun

Prof. Michael K. Watters

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

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <http://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org