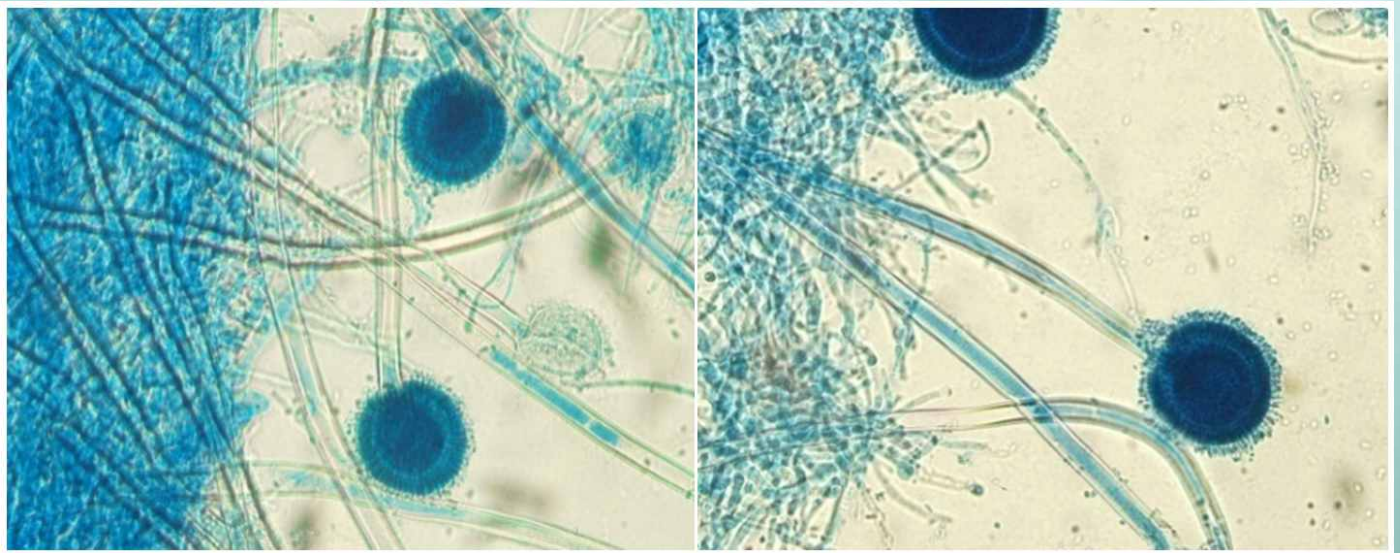


# Advances in Microbiology



# Journal Editorial Board

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

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

---

## Editors-in-Chief

Prof. Yung-Fu Chang  
Prof. Alan W. Decho

Cornell University, USA  
University of South Carolina, USA

## 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

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

Prof. Abdelaal Shamseldin

Genetic Engineering and Biotechnology Research Institute, Egypt

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. 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 5    Number 4

April 2015

## Identification Key for *Aspergillus* Species Isolated from Maize and Soil of Nandi County, Kenya

B. W. Nyongesa, S. Okoth, V. Ayugi.....205

## Study of Serotypes, Susceptibility to Macrolide and Virulence and Resistance Molecular Profiles in Invasive Strains of *Streptococcus agalactiae* in Two Argentine Provinces

M. Laczeski, M. Novosak, R. C. Giolito, A. Littvik, J. Paván, V. Villalba, M. Vergara.....230

## Antimicrobial Susceptibility and Sub-MIC Biofilm Formation of *Moraxella catarrhalis* Clinical Isolates under Anaerobic Conditions

B. J. Plotkin, T. Hatakeyama, Z. Ma.....244

## Prevalence of Hydatid Cyst in Slaughtered Livestock in Kermanshah (West Iran)

R. Faraji, G. R. Javadi, P. M. Barshahi, F. Ahmadian, M. Sarebanhassanabadi, A. D. Firoozabadi, A. R. Moloudi.....252

## *In Vitro* Antifungal Efficacies of Maize Associated Microorganisms

E. A. Ekundayo, B. E. Boboye, F. C. Adetuyi.....258

## Characterisation of Class 1 Integron among *Escherichia coli* Isolated from Mansoura University Hospitals in Egypt

M. M. A. El-Sokary, E. S. Abdelmegeed.....269

## Dissemination of *Salmonella bacilli* through Carriers and Domestic Water Sources in Enugu Urban/Peri-Urban of Nigeria

C. I. Eleazar, I. P. Philip, B. O. Ogeneh.....278

## Studies on Fungi Responsible for the Spoilage/Deterioration of Some Edible Fruits and Vegetables

I. P. Udoh, C. I. Eleazar, B. O. Ogeneh, M. E. Ohanu.....285

## **Advances in Microbiology (AiM)**

### **Journal Information**

#### **SUBSCRIPTIONS**

The *Advances in Microbiology* (Online at Scientific Research Publishing, [www.SciRP.org](http://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](mailto:sub@scirp.org)

#### **SERVICES**

##### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

##### **Reprints (minimum quantity 100 copies)**

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

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### **COPYRIGHT**

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

Copyright © 2015 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 © 2015 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.

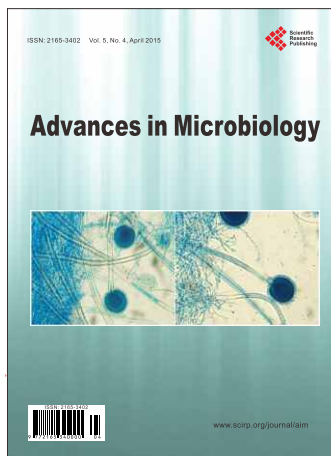
##### **DISCLAIMER OF LIABILITY**

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](mailto: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  
 Prof. Abdelaal Shamseldin  
 Dr. Jun Sun  
 Dr. Jimmy Siu Hung Tsang  
 Dr. 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](mailto:aim@scirp.org)