

Open Journal of Medical Microbiology





Journal Editorial Board

http://www.scirp.org/journal/ojmm

......

Editor-in-Chief

Prof. Arun K. Bhunia Purdue University, USA

Associate Editors

Prof. L. Caetano M. Antunes University of British Columbia, Canada

Prof. Meiqing ShiUniversity of Maryland, USA

Editorial Board

Prof. Abdulghani Mohamad Alsamarai Tikrit University, Iraq

Prof. Manal Baddour Alexandria University, Egypt

Dr. Wuguo Chen University of North Carolina at Chapel Hill, USA

Prof. Ju-Young Chung Inje University, South Korea

Dr. Qingming DongThe University of Tennessee Health Science Center, USA

Dr. William G. Dundon IAEA Laboratories, Austria

Dr. Ravi Venkata Durvasula University of New Mexico, USA

Dr. Zdenek Hel University of Alabama at Birmingham, USA

Prof. Antonio MarcillaUniversitat de València, SpainDr. Bradford S. McGwireThe Ohio State University, USA

Prof. Tzi Bun NgThe Chinese University of Hong Kong, China

Prof. Ching-An Peng Michigan Technological University, USA

Prof. Carolina Scagnolari Sapienza University of Rome, Italy

Dr. Gyanendra SinghLouisiana State University Health Sciences Center, USA

Prof. Rafael Toledo University of Valencia, Spain

Dr. Paul Wai-Kei Tsang
The University of Hong Kong, China
Dr. Tibor Valyi-Nagy
University of Illinois at Chicago, USA

Dr. X. Frank Yang Indiana University, USA

Dr. Gamil Sayed Gamil Zeedan National Research Center, Egypt



ISSN Online: 2165-3380

ISSN Print: 2165-3372

Table of Contents

Volume 6 Number 4 December 2016 Clinical Isolates of *Staphylococcus aureus* Show Variation in β -Lactamase Production and Are More Susceptible to Antibiotics Conjugated with β -Lactamase Inhibitors Detection and Characterization of β -Lactamase Encoding Genes in Carbapenem Non-Susceptible Gram-Negative Bacteria and Susceptibility of Isolates to Ceftazidime-Avibactam at a New York City Community Hospital C. Urban, R. Colon-Urban, V. J. LaBombardi, N. Mariano, N. Prasad, G. Dhillon, M. Guralnik, S. Segal-Maurer.....150 Isolation of L. interrogans Serovar Pomona in 14 Human Cases and an African Lion, All with Chronic Leptospirosis Canine Leptospirosis Serology in Southern Mexico City I. Martínez-Barbabosa, E. A. Alpizar-Sosa, D. G. Gavaldón-Rosas, L. P. Moles-Cervantes, M. G. Cárdenas,

Open Journal of Medical Microbiology (OJMM) Journal Information

SUBSCRIPTIONS

The *Open Journal of Medical Microbiology* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly 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 © 2016 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 © 2016 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: ojmm@scirp.org



Call for Papers

Open Journal of Medical Microbiology

http://www.scirp.org/journal/ojmm

Open Journal of Medical Microbiology (OJMM) is an international journal dedicated to the latest advancement of Medical 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 Medical Microbiology.

Editor-in-Chief

Prof. Arun K. Bhunia

Purdue University, USA

Associate Editors

Prof. L. Caetano M. Antunes

Prof. Meiging Shi

University of British Columbia, Canada University of Maryland, USA

Editorial Board

Prof. Abdulghani Mohamad Alsamarai

Prof. Manal Baddour Dr. Wuquo Chen

Prof. Ju-Young Chung

Dr. Qingming Dong

Dr. William G. Dundon Dr. Ravi Venkata Durvasula

Dr. Zdenek Hel

Prof. Antonio Marcilla

Dr. Bradford S. McGwire

Prof. Tzi Bun Ng

Prof. Ching-An Peng

Prof. Carolina Scagnolari

Dr. Gyanendra Singh

Prof. Rafael Toledo

Dr. Paul Wai-Kei Tsang

Dr. Tibor Valyi-Nagy

Dr. X. Frank Yang

Dr. Gamil Sayed Gamil Zeedan

Tikrit University, Iraq

Alexandria University, Egypt

University of North Carolina at Chapel Hill, USA

Inje University, South Korea

The University of Tennessee Health Science Center, USA

IAEA Laboratories, Austria

University of New Mexico, USA

University of Alabama at Birmingham, USA

Universitat de València, Spain

The Ohio State University, USA

The Chinese University of Hong Kong, China

Michigan Technological University, USA

Sapienza University of Rome, Italy

Louisiana State University Health Sciences Center, USA

University of Valencia, Spain

The University of Hong Kong, China

University of Illinois at Chicago, USA

Indiana University, USA

National Research Center, Egypt

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:

- Clinical Microbiology and Infection
- Clinical Virology
- Diagnostic Microbiology and Infectious Disease
- Medical Bacteriology

- Medical Microbiology and Immunology
- Medical Mycology
- Medical Parasitology

E-Mail: ojmm@scirp.org

Systematic and Applied 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/ojmm

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.

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





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org