

ISSN: 2164-3121 Volume 8, Number 2, June 2018



Open Journal of Medicinal Chemistry



ISSN: 2164-3121



www.scirp.org/journal/ojmc

Journal Editorial Board

ISSN Print: 2164-3121 ISSN Online: 2164-313X

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

Editor-in-Chief

Prof. James A. Radosevich

University of Illinois, USA

Associate Editors

Dr. Ahmed El-Shafei

North Carolina State University, USA

Dr. Sébastien Fortin

Université Laval, Canada

Dr. Ramendra Pratap

University of Delhi, India

Dr. Yuk Yin Sham

University of Minnesota, USA

Dr. Arun K. Sharma

Penn State Hershey Cancer Institute, USA

Editorial Board

Dr. Apurba Bhattacharya

Texas A&M Kingsville, USA

Prof. Lanrong Bi

Michigan Technological University, USA

Prof. Joaquín Maria Campos

University of Granada, Spain

Prof. Devdutt Chaturvedi

Amity University Uttar Pradesh, India

Prof. Mirko Diksic

McGill University, Canada

Dr. Derong Ding

University of Notre Dame, USA

Prof. Lei Fu

Shanghai Jiao Tong University, China

Prof. Sandrine Gerber

Institute of Chemical Sciences and Engineering, Switzerland

Prof. Amiram Goldblum

University of Jerusalem, Israel

Dr. Pankaj Kumar

National Institutes of Health (NIH), USA

Dr. Sonali Kurup

Roosevelt University, USA

Prof. Cosmas O. Okoro

Tennessee State University, USA

Dr. Srinath Pashikanti

Idaho State University, USA

Dr. Pallav Patel

Memorial Sloan Kettering Cancer Center, USA

Dr. Georgi V. Petkov

University of South Carolina, Colombia

Prof. Yovani Marrero Ponce

Central University of Las Villas, Cuba

Dr. Praveen P. Nekkar Rao

University of Waterloo, Canada

Dr. Shengmin Sang

North Carolina A&T State University, USA

Dr. Murat Sentürk

Agri Ibrahim Cecen University, Turkey

Dr. Min Su

University of Michigan, USA

Prof. Amer A. Taqa

University of Mosul, Iraq

Prof. Tiziano Tuccinardi

University of Pisa, Italy

Prof. Claudete J. Valduga

Bandeirante University of Sao Paulo, Brazil

Dr. Cuihua Wang

Harvard Medical School, USA

Dr. Jenny Wong

University of Wollongong, Australia

Dr. Kalin Yanbo Zhang

The University of Hong Kong, China

Table of Contents

Volume 8 Number 2**June 2018****Determination of Azacitidine by Spectrophotometric Method**

B. Ramachandra, N. V. Naidu.....15

**Synthesis and Antimicrobial Activity of New Pyridine Containing
Substituted Phenyl Azetidine-2-One Derivatives**

V. E. Rani, P. R. Reddy.....22

**Cu(II) Propionyl-Thiazole Thiosemicarbazone Complexes: Crystal Structure, Inhibition
of Human Topoisomerase II α , and Activity against Breast Cancer Cells**

E. C. Lisic, V. G. Rand, L. Ngo, P. Kent, J. Rice, D. Gerlach, E. T. Papish, X. H. Jiang.....30

Open Journal of Medicinal Chemistry (OJMC)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Medicinal Chemistry* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 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: ojmc@scirp.org



Open Journal of Medicinal Chemistry

ISSN Print: 2164-3121 ISSN Online: 2164-313X
<http://www.scirp.org/journal/ojmc>

Open Journal of Medicinal Chemistry (OJMC) is an international journal dedicated to the latest advancement of medicinal chemistry. 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 medicinal chemistry.

Editor-in-Chief

Prof. James A. Radosevich

University of Illinois, USA

Associate Editors

Dr. Ahmed El-Shafei
Dr. Sébastien Fortin
Dr. Ramendra Pratap
Dr. Yuk Yin Sham
Dr. Arun K. Sharma

North Carolina State University, USA
Université Laval, Canada
University of Delhi, India
University of Minnesota, USA
Penn State Hershey Cancer Institute, USA

Editorial Board

Dr. Apurba Bhattacharya
Prof. Lanrong Bi
Prof. Joaquín Maria Campos
Prof. Devdutt Chaturvedi
Prof. Mirko Diksic
Dr. Derong Ding
Prof. Lei Fu
Prof. Sandrine Gerber
Prof. Amiram Goldblum
Dr. Pankaj Kumar
Dr. Sonali Kurup
Prof. Cosmas O. Okoro
Dr. Srinath Pashikanti
Dr. Pallav Patel
Dr. Georgi V. Petkov
Prof. Yovani Marrero Ponce
Dr. Praveen P. Nekkar Rao
Dr. Shengmin Sang
Dr. Murat Sentürk
Dr. Min Su
Prof. Amer A. Taqa
Prof. Tiziano Tuccinardi
Prof. Claudete J. Valduga
Dr. Cuihua Wang
Dr. Jenny Wong
Dr. Kalin Yanbo Zhang

Texas A&M Kingsville, USA
Michigan Technological University, USA
University of Granada, Spain
Amity University Uttar Pradesh, India
McGill University, Canada
University of Notre Dame, USA
Shanghai Jiao Tong University, China
Institute of Chemical Sciences and Engineering, Switzerland
University of Jerusalem, Israel
National Institutes of Health (NIH), USA
Roosevelt University, USA
Tennessee State University, USA
Idaho State University, USA
Memorial Sloan Kettering Cancer Center, USA
University of South Carolina, Colombia
Central University of Las Villas, Cuba
University of Waterloo, Canada
North Carolina A&T State University, USA
Agri Ibrahim Cecen University, Turkey
University of Michigan, USA
University of Mosul, Iraq
University of Pisa, Italy
Bandeirante University of Sao Paulo, Brazil
Harvard Medical School, USA
University of Wollongong, Australia
The University of Hong Kong, China

Subject Coverage

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. Topics to be covered by this journal include, but are not limited to the following fields:

- Biotherapeutics Including Molecular Biology, Production, Purification and Formulation
- Drug Design
- Drug Mechanism of Action
- Heterocyclic Chemistry
- Molecular Modeling and Computational Chemistry
- Organic Chemistry
- Peptidomimetics
- Synthesis Strategies Including New Concepts

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.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

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

E-mail: ojmc@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