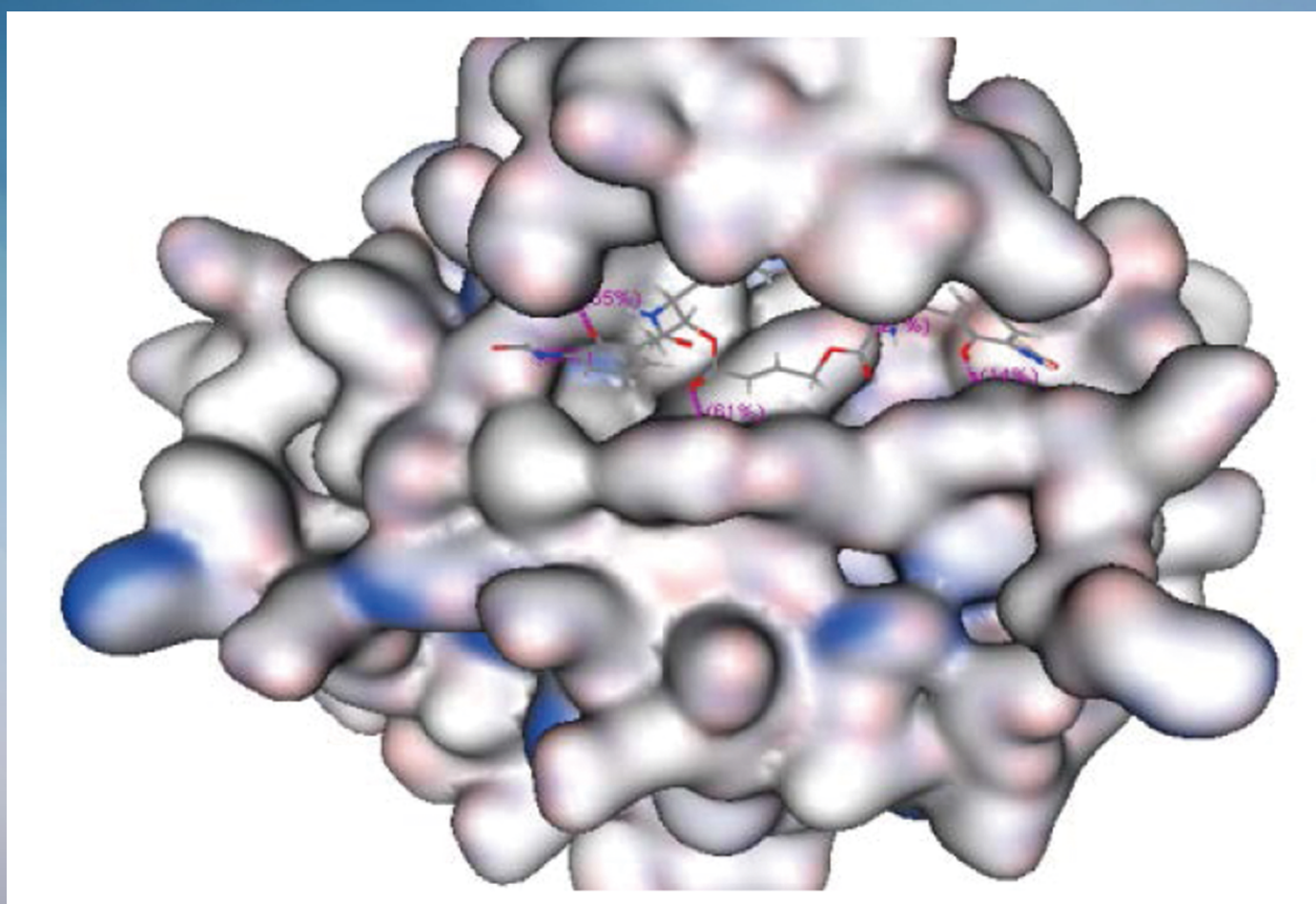


# Open Journal of Medicinal Chemistry



# 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**

Laval University, 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

**Dr. 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

**Dr. 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. 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. Lawrence A. Potempa**

Roosevelt University, USA

**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. Venkataswamy Sorna**

University of Utah, USA

**Dr. Min Su**

University of Michigan, USA

**Prof. Amer Taqa**

University of Mosul, Iraq

**Dr. Tiziano Tuccinardi**

University of Pisa, Italy

**Prof. Claudete J. Valduga**

Bandeirante University of Sao Paulo, Brazil

**Dr. Jenny Wong**

University of Wollongong, Australia

**Dr. Yanbo Zhang**

The University of Hong Kong, China

## Table of Contents

**Volume 4    Number 3**

**September 2014**

**Design and Molecular Docking Study of Antimycin A<sub>3</sub> Analogues as Inhibitors of Anti-Apoptotic Bcl-2 of Breast Cancer**

A. Arsianti, Fadilah, Kusmardi, H. Tanimoto, T. Morimoto, K. Kakiuchi.....79

# **Open Journal of Medicinal Chemistry (OJMC)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Open Journal of Medicinal Chemistry* (Online at Scientific Research Publishing, [www.SciRP.org](http://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](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 © 2014 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 © 2014 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](mailto: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  
Laval University, Canada  
University of Delhi, India  
University of Minnesota, USA  
Penn State Hershey Cancer Institute, USA

## Editorial Board

Dr. Apurba Bhattacharya  
Dr. Lanrong Bi  
Prof. Joaquín Maria Campos  
Prof. Devdutt Chaturvedi  
Prof. Mirko Diksic  
Dr. Derong Ding  
Prof. Lei Fu  
Dr. Sandrine Gerber  
Prof. Amiram Goldblum  
Dr. Pankaj Kumar  
Dr. Sonali Kurup  
Prof. Cosmas O. Okoro  
Dr. Pallav Patel  
Dr. Georgi V. Petkov  
Prof. Yovani Marrero Ponce  
Dr. Lawrence A. Potempa  
Dr. Praveen P. Nekkar Rao  
Dr. Shengmin Sang  
Dr. Murat Sentürk  
Dr. Venkataswamy Sorna  
Dr. Min Su  
Prof. Amer Taqa  
Dr. Tiziano Tuccinardi  
Prof. Claudete J. Valduga  
Dr. Jenny Wong  
Dr. 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  
Memorial Sloan Kettering Cancer Center, USA  
University of South Carolina, Colombia  
Central University of Las Villas, Cuba  
Roosevelt University, USA  
University of Waterloo, Canada  
North Carolina A&T State University, USA  
Agri Ibrahim Cecen University, Turkey  
University of Utah, USA  
University of Michigan, USA  
University of Mosul, Iraq  
University of Pisa, Italy  
Bandeirante University of Sao Paulo, Brazil  
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](mailto:ojmc@scirp.org)

