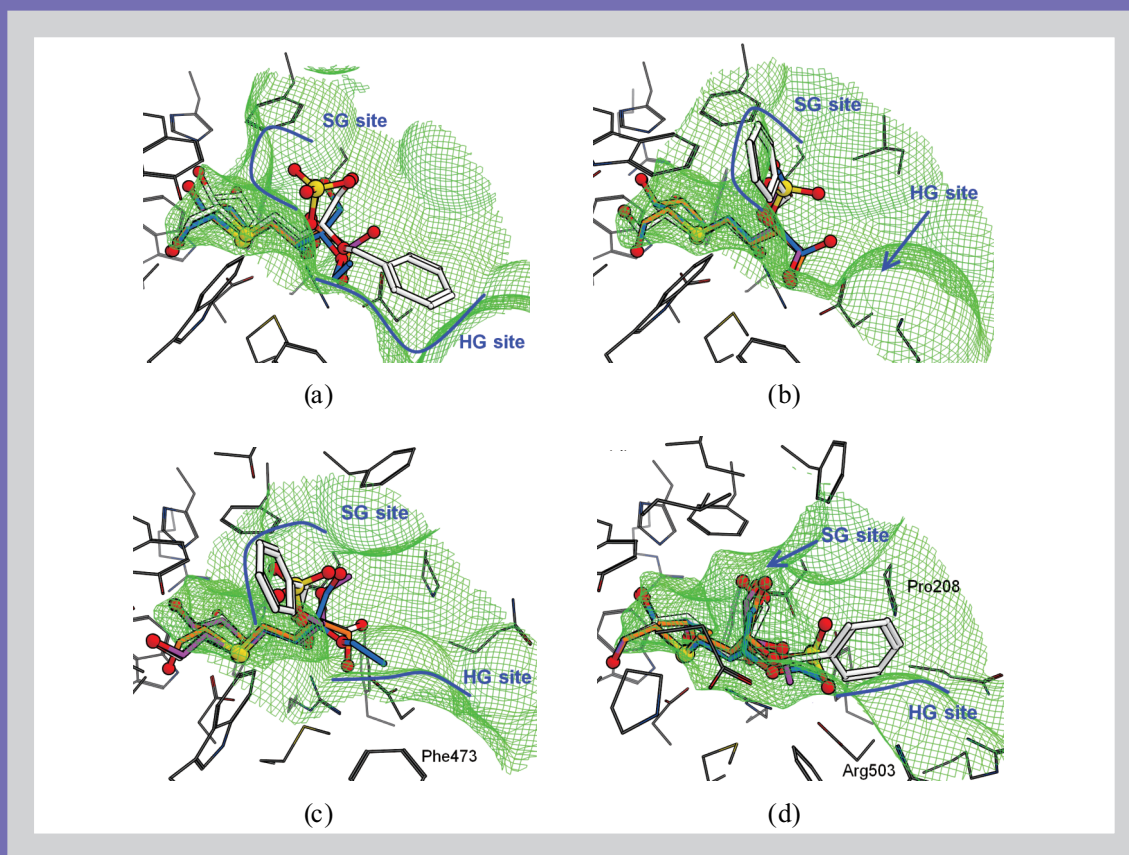




Open Journal of Medicinal Chemistry



ISSN: 2164-3121



9 772164 312008 03

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

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. 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. Sonali Kurup Roosevelt University, USA
Prof. Cosmas O. Okoro Tennessee State University, USA
Dr. Georgi V. Petkov University of South Carolina, Columbia
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. Min Su University of Michigan, USA
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

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
Dr. Sarin Tadtong Srinakharinwirot University, Thailand

TABLE OF CONTENTS

Volume 2 Number 3

September 2012

3D-QSAR Topomer CoMFA Studies on 10 N-Substituted Acridone Derivatives A. O. Ajala, C. O. Okoro.....	43
Homology Modeling of Human Alpha-Glucosidase Catalytic Domains and SAR Study of Salacinol Derivatives S. Nakamura, K. Takahira, G. Tanabe, O. Muraoka, I. Nakanishi.....	50
Antioxidant Protective Effects of the Resveratrol on the Cardiac and Vascular Tissues from Renal Hypertensive Rats J. C. de Oliveira, C. R. K. Antonietto, A. C. Scalabrini, T. S. Marinho, L. Pernomian, J. W. N. Corrêa, C. B. A. Restini.....	61
Synthesis and Evaluation of Anticonvulsant Activity of 6,8-Dimethoxy-3-methyl-1,2,3,4-tetrahydroisoquinoline in PTZ-Induced Seizure Model in Mice Y. Pariyawongsakul, C. Patarapanich, C. Boonyarat, P. Puthongking.....	72
Design, Synthesis and Cancer Cell Line Activities of Pyrazolo[3,4-<i>b</i>]pyridine Derivatives M. S. Mohamed, Y. E. E.-D. Awad, S. M. El-Hallouty, M. El-Araby.....	78
Synthesis and Biological Evaluation of Cyclic Imides with Coumarins and Azacoumarins R. Marulasiddaiah, R. G. Kalkhambkar, M. V. Kulkarni.....	89
Microwave Assisted and Al₂O₃/K₂CO₃ Catalyzed Synthesis of Azetidin-2-One Derivatives Containing Aryl Sulfonate Moiety with Anti-Inflammatory and Anti-Microbial Activity B. V. Kendre, M. G. Landge, S. R. Bhusare.....	98

The figure on the front cover is from the article published in Open Journal of Medicinal Chemistry, 2012, Vol. 2, No. 3, pp. 50-60 by Shinya Nakamura, *et al.*

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: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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

Editorial Board

Dr. Apurba Bhattacharya
Dr. Lanrong Bi
Prof. Joaquin Maria Campos
Prof. Mirko Diksic
Dr. Derong Ding
Prof. Lei Fu
Dr. Sandrine Gerber
Prof. Amiram Goldblum
Dr. Sonali Kurup
Prof. Cosmas O. Okoro
Dr. Georgi V. Petkov
Prof. Yovani Marrero Ponce
Dr. Lawrence A. Potempa
Dr. Praveen P Nekkar Rao
Dr. Shengmin Sang
Dr. Murat Sentürk
Dr. Min Su
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
McGill University, Canada
University of Notre Dame, USA
Shanghai Jiao Tong University, China
Institute of Chemical Sciences and Engineering, Switzerland
University of Jerusalem, Israel
Roosevelt University, USA
Tennessee State University, 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 Michigan, USA
University of Pisa, Italy
Bandeirante University of Sao Paulo, Brazil
University of Wollongong, Australia
The University of Hong Kong, China

Associate Editors

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

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

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](http://www.scirp.org/journal/ojmc)

E-mail: ojmc@scirp.org