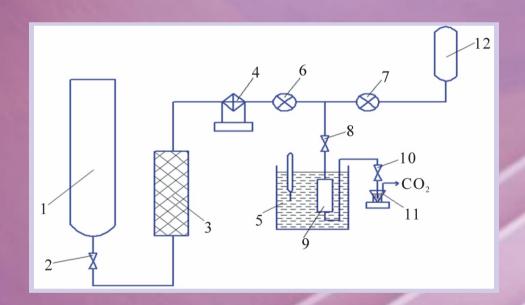
ISSN: 2153-036X Vol. 4, No. 1, February 2013



Journal of Biophysical Chemistry





Journal Editorial Board

ISSN 2153-036X (Print) ISSN 2153-0378 (Online)

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

.....

Editor-in-Chief

Prof. Cornelis J. Van der Schyf Northeast Ohio Medical University (NEOMED), USA

Editorial Board (According to Alphabet)

Dr. Huizhong Chen National Center for Toxicological Research, USA

Prof. Ismail Tuncer Degim Gazi University, Turkey

Prof. Xiaojun Han Harbin Institute of Technology, China

Prof. Xiaopeng Hu Sun Yat-sen University, China

Prof. Gang Jin Chinese Academy of Sciences, China

Dr. Rizwan Hasan Khan Aligarh Muslim University, India

Prof. Alexander A. Konstantinov Moscow State University, Russia

Prof. Davood Nematollahi Buali-Sina University, Iran

Prof. Kazuhisa Nishizawa Teikyo University, Japan

Dr. Yoshiaki Ohashi Human Metabolome Technologies, Inc., Japan

Dr. Marcela Pagano Federal University of Ceará, Brazil

Dr. Joy Sinha ANDalyze, Inc., USA

Dr. Yongchao SuMassachusetts Institute of Technology, USA

Prof. Andrei P. Surguchov Kansas University Medical Center, USA

Dr. Kazuhiro Takemoto Kyushu Institute of Technology, Japan

Dr. Eric Robert Tkaczyk University of Tartu Medical School, Estonia

Prof. Armen Trchounian Yerevan State University, Armenia

Dr. Izabela TworowskaTherapeutic Nuclear Medicine Research Institute, USA

Prof. Suresh C. Tyagi University of Louisville, USA

Prof. Ling Yang Chinese Academy of Sciences, China

Prof. Anyun Zhang Zhejiang University, China

TABLE OF CONTENTS

Volume 4, Number 1, February 2013

people via spectral and chromatographic analysis	
L. P. Cuong, L. T. X. Thuy, M. Evgenev	1
A study of the interaction of drugs with liposomes with isothermal titration calorimetry	
H. Osanai, T. Ikehara, S. Miyauchi, K. Shimono, J. Tamogami, T. Nara, N. Kamo	11
Correlation of docking energies with spectroscopic kinetic assays of potential xanthine oxidase substrates	
A. L. Stockert, T. M. Mahfouz, B. Petersen, O. L. Fakunmoju	22
Protein and lipid characterization of wheat roots plasma membrane damaged by Fe and H_2O_2 using ATR-FTIR method	
X. Zhao, X. J. Yang, Y. Shi, G. X. Chen, X. R. Li	28

The figure on the front cover is from the article published in Journal of Biophysical Chemistry, 2013, Vol. 4, No. 1, pp. 1-10 by Le Phuoc Cuong, Le Thi Xuan Thuy and Micheal Evgenev.

Journal of Biophysical Chemistry (JBPC)

Journal Information

SUBSCRIPTIONS

Journal of Biophysical Chemistry (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 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©2013 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 assumes 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: jbpc@scirp.org





Journal of

Biophysical Chemistry

ISSN 2153-036X (Print) ISSN 2153-0378 (Online) http://www.scirp.org/journal/jbpc

Journal of Biophysical Chemistry (JBPC) is an international journal dedicated to the latest advancement in related research fileds. 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 aspects of biophysical chemistry.

Editor-in-Chief

Prof. Cornelis J. Van der Schyf

Northeast Ohio Medical University (NEOMED), USA

Subject Coverage

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

Biomolecular and Drug Databases

Biomolecular Free Energy

Biomolecular Modeling

Biomolecular Structure

Computational Biology

Computational Chemistry

Covering Dynamics

Gene Regulation

Graph/Network Theory

Medicine and Neuroscience

Molecular Docking

Molecular Dynamics Simulation

Molecular Evolutionary Genetics

Neural Networks

Nucleic Acid Structure

Patch Clamping

Pharmacology and Physiology

Quantum Chemistry

Sequence Alignment

Single Protein Dynamics

siRNA

Soft Matter Physics

Stochastic Processes

Structural Alignment

Structural Biology

Structure-Activity Relationships

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the *JBPC*.

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 referred through a peer review process. For more details about the submissions, please access the website.

E-mail: jbpc@scirp.org

Website and E-Mail

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

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, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

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, world-wide, 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





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