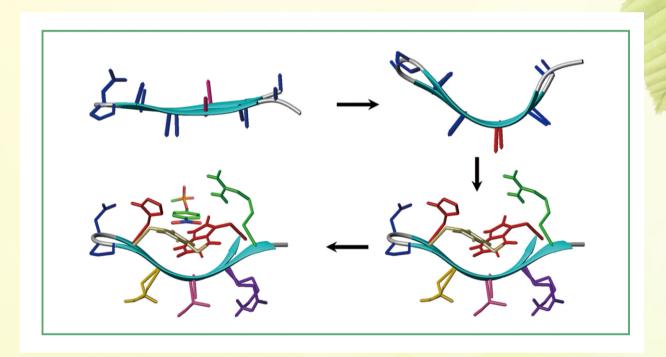


# Open Journal of Physical Chemistry





## **Journal Editorial Board**

ISSN: 2162-1969 (Print), 2162-1977 (Online)

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

.....

#### **Editor-in-Chief**

Prof. Kalliat T. Valsaraj Louisiana State University, USA

#### **Editorial Board**

Prof. Tapio Ala-Nissilä Aalto University School of Science and Technology, Finland

**Dr. Subbiah Alwarappan** University of South Florida, USA

**Dr. Jeng-Da Chai** National Taiwan University, Chinese Taipei

Prof. Haisheng Chen
Chinese Academy of Sciences, China
Dr. Yongsheng Chen
Georgia Institute of Technology, USA

**Dr. Zhengdong Cheng** Texas A&M University, USA

Dr. Krishnan Achary Damodaran University of Pittsburgh, USA

Dr. Ramesh L. Gardas Indian Institute of Technology Madras, India

Prof. Santamaría Holek Iván Universidad Nacional Autónoma de México, México

**Dr. Peng Jiang** University of Florida, USA

Dr. Maksym Kryvohuz California Institute of Technology, USA

Dr. Subrata Kundu Central Electrochemical Research Institute (CECRI), India

**Prof. Yue Li** Chinese Academy of Sciences, China

**Dr. Shiang-Tai Lin** National Taiwan University, Chinese Taipei

Dr. Manosh C. Paul University of Glasgow, UK

**Prof. Andre Silva Pimentel** Pontifical Catholic University of Rio de Janeiro, Brazil

Dr. Madhumita B. Ray University of Western Ontario, Canada

**Dr. M. V. Reddy** National University of Singapore, Singapore

Dr. Stephan P. A. Sauer University of Copenhagen, Denmark

Dr. Yang-hsin ShihProf. Ricardo Alexandre Galdino da SilvaUniversidade Federal de São Paulo, Brazil

**Dr. Subith S. Vasu**University of Central Florida, USA

**Prof. Jingsong Zhang**University of California, USA

Prof. Tierui Zhang Chinese Academy of Sciences (CAS), China

**Dr. Xinyi Zhang** Monash University, Australia

**Prof. Qingdong Zheng** Chinese Academy of Sciences, China



### **Table of Contents**

Volume 4 Number 3	August 2014
A Stereochemically-Bent $ heta$ -Hairpin: Scrutiny of Folding by Comparing a Heteropolypeptide and Cognate Oligoalanine	a
K. R. Srivastava, S. Durani	81
Caracterization and Adsorption Study of Thymol on Pillared Bentonite	
M. El Miz, S. Salhi, I. Chraibi, A. El Bachiri, ML. Fauconnier, A. Tahani	98
Matrix Isolation and Computational Study on the Photolysis of CHCl₂C	OCI
N. Tanaka	117
Coherence of the Even-Odd Rule with an Effective-Valence Isoelectron Chemical Structural Formulas: Application to Known and Unknown Single-Covalent-Bonded Compounds	nicity Rule for
G. Auvert	126
Comparative Study of Physical Properties of In-Use Surfactant-Grafted Polyacrylamides for Oilfield	i
T. T. Jiang, H. Y. Wang, B. H. Wang	134

#### Open Journal of Physical Chemistry (OJPC)

#### **Journal Information**

#### SUBSCRIPTIONS

The *Open Journal of Physical Chemistry* (Online at Scientific Research Publishing, <a href="www.SciRP.org">www.SciRP.org</a>) 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: <a href="mailto:service@scirp.org">service@scirp.org</a>

#### 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 © 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  $\ensuremath{\mathbb{O}}$  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: ojpc@scirp.org



# **Call for Papers**

# Open Journal of Physical Chemistry

ISSN: 2162-1969 (Print), 2162-1977 (Online)

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

#### Editor-in-Chief

Prof. Kalliat T. Valsaraj

#### **Editorial Board**

Prof. Tapio Ala-Nissilä Dr. Subbiah Alwarappan

Dr. Jeng-Da Chai Prof. Haisheng Chen Dr. Yongsheng Chen

Dr. Zhengdong Cheng

Dr. Krishnan Achary Damodaran

Dr. Ramesh L. Gardas

Prof. Santamaría Holek Iván

Dr. Peng Jiang

Dr. Maksym Kryvohuz

Dr. Subrata Kundu

Prof. Yue Li

#### Louisiana State University, USA

Dr. Shiang-Tai Lin

Dr. Manosh C. Paul

**Prof. Andre Silva Pimentel** 

Dr. Madhumita B. Ray

Dr. M. V. Reddy

Dr. Stephan P. A. Sauer

Dr. Yang-hsin Shih

Prof. Ricardo Alexandre Galdino da Silva

Dr. Subith S. Vasu

Prof. Jingsong Zhang

Prof. Tierui Zhang

Dr. Xinyi Zhang Prof. Qingdong Zheng

**Open Journal of Physical Chemistry (OJPC)** is an international journal dedicated to the latest advancement of physical 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 physical chemistry.

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:

- Biophysical chemistry
- Chemical kinetics
- Electrochemistry
- Materials science
- Micromeritics
- Photochemistry

- Physical organic chemistry
- Quantum chemistry
- Solid-state chemistry
- Spectroscopy
- Surface chemistry
- Thermochemistry

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/ojpc E-mail: ojpc@scirp.org