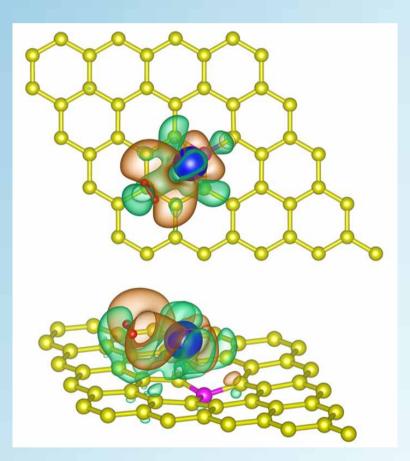
ISSN: 2327-6045 Vol. 3, No. 12, December 2015



# **Journal of Materials Science and Chemical Engineering**





www.scirp.org/journal/msce

## **Journal Editorial Board**

ISSN Print: 2327-6045 ISSN Online: 2327-6053

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

.....

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

Dr. Jiyu Fang

University of Central Florida, USA

#### **Editorial Board**

Prof. Mohammad Abdel-Karim **Prof. Brioude Arnaud** Prof. Gajanan S. Bhat Dr. Quan Can Dr. Zeki Candan Prof. Paul R. Carney **Dr. Kok Boon Chong** Dr. Mohamed Abdel Moneim Deyab Dr. Tara P. Dhakal **Prof. Anter El-Azab** Dr. Reza Ghomashchi Dr. Hazar Guesmi **Prof. Yongsheng Han Prof. Anwarul Hasan Prof.** Weidong He **Dr. Flavio Horowitz** Dr. Raja Rizwan Hussain **Prof. Tifeng Jiao Dr. Antonios Kelarakis** Dr. Shafique Khan Dr. Anson W. K. Ma **Prof. Martin Alberto Masuelli** Dr. Luisa Molari Dr. Andro H. Mondala Prof. Badie I. Morsi Dr. Ravin Natain Prof. Zeeshan Nawaz Prof. Dimitrios A. Papaconstantopoulos **Prof. Guo Qiang** Dr. hab. Endre Ruszinko Dr. Marisa Di Sabatino Prof. Manoj Kumar Singh **Dr. Hua Song** Dr. Jiri Tochacek Prof. Zhirui Wang **Prof. Shuilin Wu** 

Fayoum University, Egypt University of Lyon, France University of Tennessee, USA National Institue of Metrology, China Istanbul University, Turkey University of Florida, USA University Malaysia of Computer Science & Engineering, Malaysia Egyptian Petroleum Research Institute, Egypt Center for Autonomous Solar Power (CASP Center), USA Purdue University, USA University of Adelaide, Australia Institute of Charles Gerhardt, France Chinese Academy of Sciences, China American University of Beirut, Lebanon University of Electronic Science and Technology of China, China James Madison University, USA King Saud University, Saudi Arabia Yanshan University, China University of Central Lancashire, UK King Fahd University, Saudi Arabia University of Connecticut, USA National University of San Luis, Argentina University of Bologna, Italy Western Michigan University, USA University of Pittsburgh, USA University of Alberta Edmonton, Canada SABIC Technology & Innovation Center, Saudi Arabia George Mason University, USA Shanghai Jiao Tong University, China Óbuda University, Hungary Norwegian University of Science and Technology, Norway CSIR-Central Institute of Mining & Fuel Research, India Department of Chemical and Petroleum Engineering, Canada Brno University of Technology, Czech Republic University of Toronto, Canada Hubei University, China



### **Table of Contents**

#### 

The figure on the front cover is from the article published in Journal of Materials Science and Chemical Engineering, 2015, Vol. 3, No. 12, pp. 87-94 by Yuanyuan Li, Yiming Mi and Gaili Sun.

#### Journal of Material Science and Chemical Engineering (MSCE)

#### **Journal Information**

#### SUBSCRIPTIONS

The *Journal of Material Science and Chemical Engineering* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published monthly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$39 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

#### SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

#### COPYRIGHT

#### COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 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 © 2015 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: <u>msce@scirp.org</u>





## Journal of Materials Science and Chemical Engineering

ISSN Print: 2327-6045 ISSN Online: 2327-6053 http://www.scirp.org/journal/msce

Journal of Materials Science and Chemical Engineering is an international journal dedicated to the latest advancement of materials science and chemical engineering. 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 materials science and chemical engineering. 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:

**Biomaterials and Biotechnology Carbon Nanomaterials** Catalysis and Reaction Engineering **Chemical Engineering Chemical Synthesis Composite Materials** Extractive Metallurgy Fabrication of Nanomaterials **Functional Material** Inkjet Printing of Functional Materials **Masonry Structures** Metals and Alloys **Microstructured Materials** Modelling and Simulation in Structural Engineering Nanomaterials Nanotechnology and Nanoscience **Polymer Processing** Separation Science and Technology

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/msce E-mail: msce@scirp.org