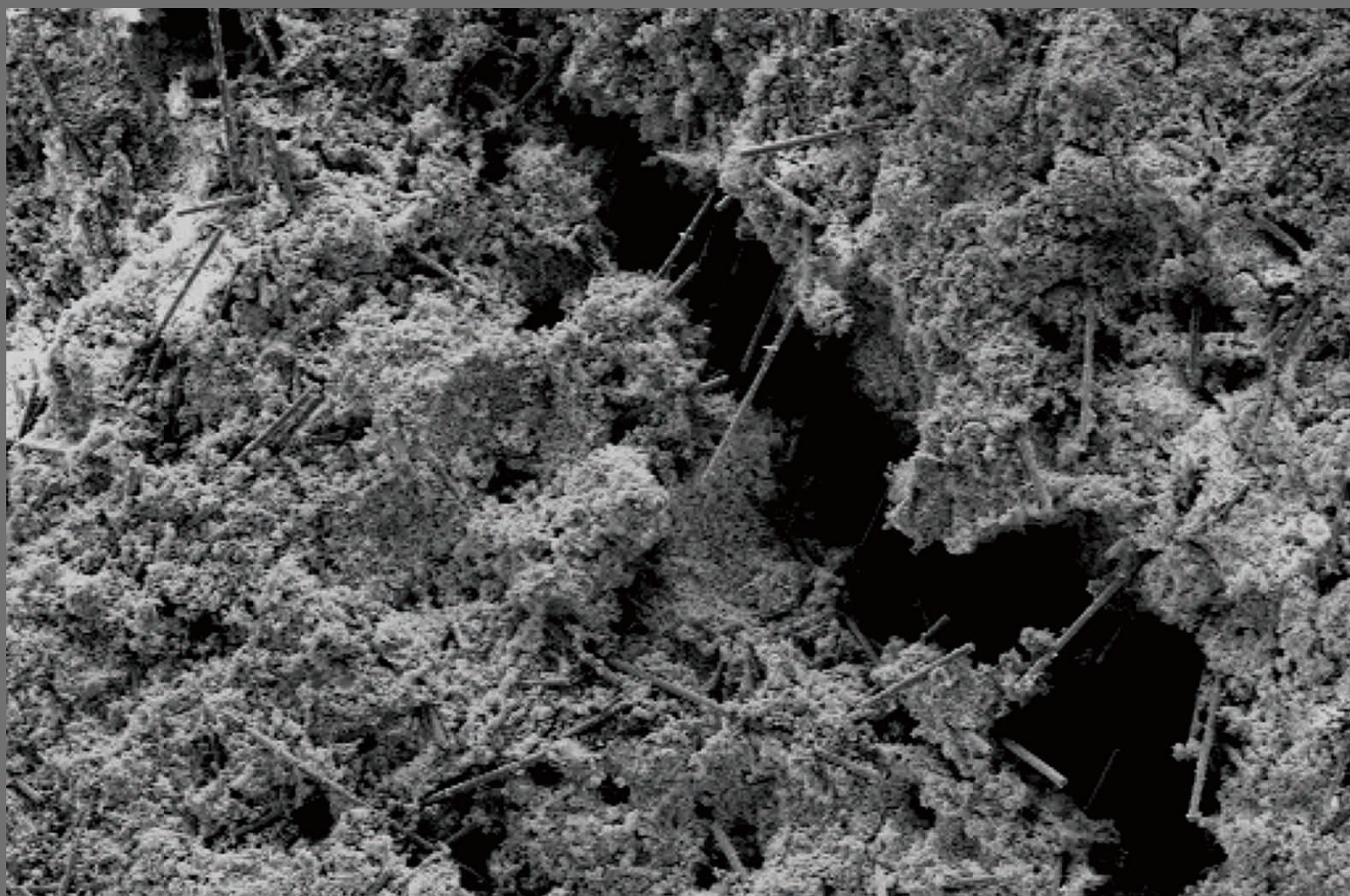


ISSN: 2164-5612 Vol. 4, No. 4, October 2014



# Open Journal of Composite Materials



[www.scirp.org/journal/ojcm](http://www.scirp.org/journal/ojcm)

# Journal Editorial Board

ISSN 2164-5612 (Print) ISSN 2164-5655 (Online)

<http://www.scirp.org/journal/ojcm>

---

## Editors-in-Chief

**Dr. Chengye Fan**

C-FER Technologies, Canada

**Dr. Xiaosong Huang**

General Motors Global R&D, USA

## Editorial Board

**Prof. Mehmet Aktaş**

Usak University, Turkey

**Prof. Mohammad Reza Allazadeh**

Hungarian Academy of Sciences, Hungary

**Dr. S. Joseph Antony**

University of Leeds, UK

**Dr. Zeki Candan**

Istanbul University, Turkey

**Dr. Carlos Chastre**

Department of Civil Engineering NOVA University  
of Lisbon, Portugal

**Dr. Mohammad Asaduzzaman Chowdhury**

Dhaka University of Engineering and Technology,  
Bangladesh

**Prof. Daniel C. Davis**

University of Houston, USA

**Prof. Igor Emri**

Institute for Sustainable Innovative Technologies, Slovenia

**Dr. Hessam Ghasemnejad**

Kingston University, UK

**Prof. Hyun-Joong Kim**

Seoul National University, South Korea

**Prof. Walter Lacarbonara**

Sapienza University of Rome, Italy

**Dr. Richard Jyh-Tsong Lin**

University of Auckland, New Zealand

**Prof. Y. Charles Lu**

University of Kentucky, USA

**Dr. Abbas S. Milani**

University of British Columbia, Canada

**Prof. Marcelo Francisco de Sousa Ferreira  
de Moura**

University of Porto, Portugal

**Dr. Mutlu Ozcan**

University of Zurich, Switzerland

**Dr. Hayder A. Rasheed**

Kansas State University, USA

**Dr. Carlo Santulli**

Università La Sapienza, Italy

**Prof. Mahmood M. Shokrieh**

Iran University of Science and Technology, Iran

**Prof. Goutam Sutradhar**

Jadavpur University, Kolkata, W.B, India

## Table of Contents

**Volume 4    Number 4**

**October 2014**

**Toughness Improvement of Geothermal Well Cement at up to 300°C: Using Carbon Microfiber**

T. Sugama, T. Pyatina.....177

**Unsymmetrical Fibre-Reinforced Plastics for the Production of Curved  
Textile Reinforced Concrete Elements**

H. L. Funke, S. Gelbrich, A. Ehrlich, L. Ulke-Winter, L. Kroll.....191

**Indirect Tensile Characterization of Graphite Platelet Reinforced Vinyl  
Ester Nanocomposites at High-Strain Rate**

B. Pramanik, P. R. Mantena, T. Tadepalli, A. M. Rajendran.....201

**The Synthesis and Evaluation of a Novel Inhibitor DN for Carbon Dioxide Corrosion**

Q. W. Liu, T. Zhang, J. G. Wang, Z. Z. Fan, A. Sun, D. Cheng.....215

**Synthesis and Performance Evaluation of Organic Bentonite Modifier  
Dimethyldistearylammonium Bromide (DODMAB)**

Q. W. Liu, A. Sun, Z. Z. Fan, J. G. Wang, T. Zhang, D. Cheng.....220

# **Open Journal of Composite Materials (OJCM)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Open Journal of Composite Materials* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### **Subscription rates:**

Print: \$79 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**

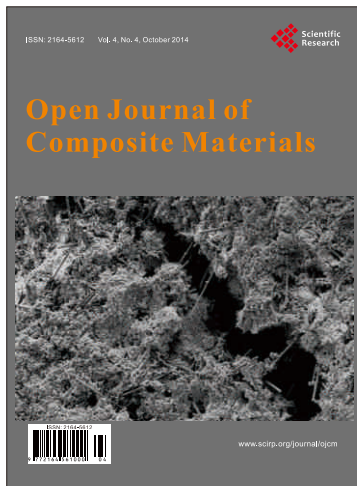
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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: [ojcm@scirp.org](mailto:ojcm@scirp.org)





# Open Journal of Composite Materials

ISSN 2164-5612 (Print)    ISSN 2164-5655 (Online)

<http://www.scirp.org/journal/ojcm>

Open Journal of Composite Materials (OJCM) is an international journal dedicated to the latest advancement of composite materials. 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 composite materials.

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:

- ◆ Bio-Composite Materials
- ◆ Composite Materials in Other Disciplines
- ◆ Functional Composites
- ◆ Inorganic Non-Metallic Matrix Composite
- ◆ Metal Matrix Composites
- ◆ Organic-Inorganic Hybrid Composites
- ◆ Polymer Composites
- ◆ Wood Composites

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/ojcm>

E-mail: [ojcm@scirp.org](mailto:ojcm@scirp.org)