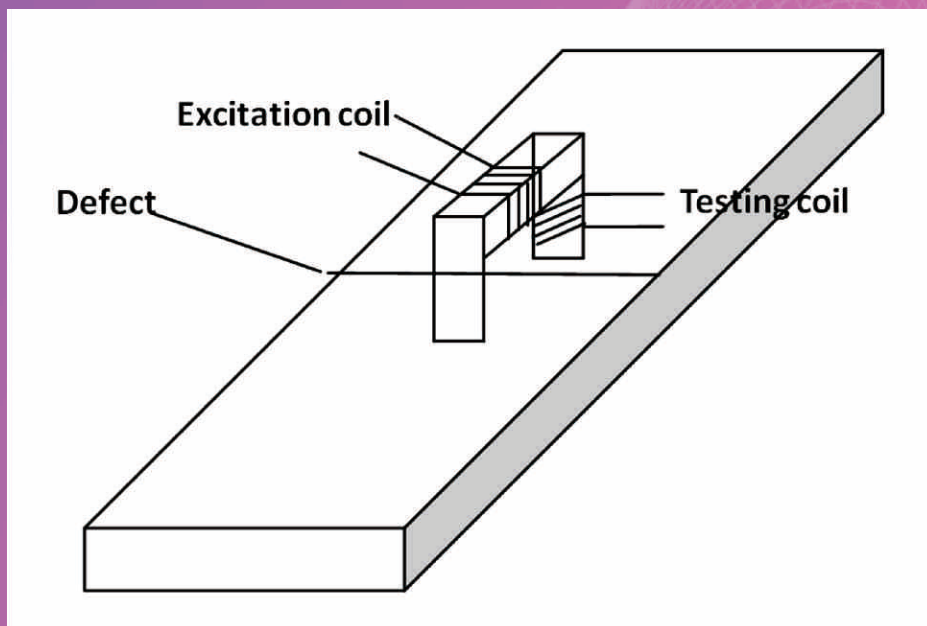




# GEOMATERIALS



ISSN: 2161-7538



9 1772161 753002 02

# Journal Editorial Board

ISSN 2161-7538 (Print) ISSN 2161-7546 (Online)

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

---

## Editor-in-Chief

**Prof. Zhijian Peng** China University of Geosciences, China

## Editorial Board

**Dr. Kerim Aydiner** Karadeniz Technical University, Turkey  
**Prof. Khairun Azizi** University Teknologi PETRONAS, Malaysia  
**Dr. Rituparna Bose** The City University of New York, USA  
**Dr. Karra Ram Chandar** National Institute of Technology Karnataka, India  
**Prof. Kaan Erarslan** Dumlupinar University, Turkey  
**Prof. B. M. Girish** East Point College of Engineering and Technology, India  
**Prof. M. Jayachandran** Central Electrochemical Research Institute, India  
**Prof. Yilmaz Ozelik** Hacettepe University, Turkey  
**Dr. Partha Patra** Columbia University, USA  
**Prof. Gehad Mohamed Saleh** Nuclear Materials Authority (NMA), Egypt  
**Prof. Cem Şensöğüt** Dumlupinar University, Turkey  
**Prof. T. N. Singh** IIT Bombay, India  
**Prof. Vladimir E. Vigdergauz** Russian Academy of Sciences, Russia  
**Prof. Huaming Yang** Central South University, China  
**Prof. Kun Zhao** China University of Petroleum, China  
**Prof. Liancun Zheng** University of Science and Technology (Beijing), China

## Table of Contents

Volume 4    Number 2

April 2014

### The Study of Electromagnetic Stress Testing Method on Oil-Gas Pipelines Based on WT

B. Liu, W. R. Sun, Y. R. Lin.....55

### Benefaction from Carbonation of Flue Gas CO<sub>2</sub> as Coal Mining Filling

Y. İ. Tosun.....64

## **Geomaterials (GM)**

### **Journal Information**

#### **SUBSCRIPTIONS**

The *Geomaterials* (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.

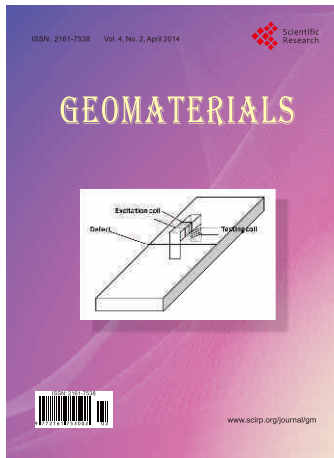
##### **DISCLAIMER OF LIABILITY**

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: [gm@scirp.org](mailto:gm@scirp.org)



# Geomaterials (GM)

ISSN 2161-7538 (Print) ISSN 2161-7546 (Online)

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

**Geomaterials (GM)** is open to original research articles accepting rock and soil as material. In addition to original research applications review papers and short technical notes are accepted. Geomaterials forms a platform to publish articles from experimental researches, theoretical analysis, statistical and mathematical modeling work. In addition, papers condensed on the analysis, modeling and optimization efforts in industry scale projects or applications are accepted.

## Subject Coverage

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

- Characterization of geomaterials: Experimental methods in determining physical and mechanical parameters of geomaterials.
- Dampening and permeability properties: Seismic wave dampening characteristics, fluid, gas and radiation flow or emitting behavior of geomaterials.
- Modeling the behavior of geomaterials: results of the efforts behavior or response of geomaterials using statistical, mathematical and numerical methods.
- Monitoring behavior: Methods and equipment to monitor behavior of geomaterials.
- Results of the experimental and industrial applications: Applications focused on behavior of geomaterials. Blasting performance: Rock response to blasting, fragmentation quality, seismic loading, and effects of rock structural elements in wave transmission. Size reduction: Characteristics and response to grinding effects, mechanism of processes. Soil behavior: Characteristics and response of soil related with the engineering processes. Wear and cutting behavior of geomaterials: The mechanism in drilling, cutting and sawing processes need extended work to explain the response of geomaterials to mechanical effect. Drilling, mechanical excavation, sawing and abrasive water jet machining are in the primary concern in that sense.

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 GM.

## 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/gm>

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



