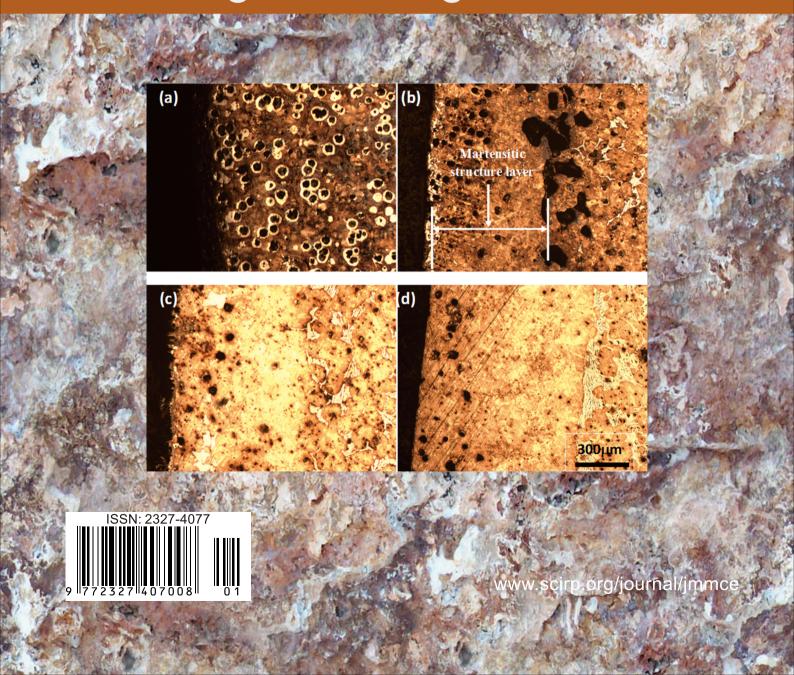


Journal of Minerals and Materials Characterization and Engineering



Journal Editorial Board

ISSN: 2327-4077 (Print) ISSN: 2327-4085 (Online) http://www.scirp.org/journal/jmmce

.....

Editor-in-Chief

Prof. Jiann-Yang (Jim) HwangMichigan Technological University, USA

Editorial Board

Prof. Chenguang BaiChongqing University, ChinaProf. K. ByrappaUniversity of Mysore, IndiaDr. Govindhan DhanarajStony Brook University, USA

Prof. Wen-Feng Ding Nanjing University of Aeronautics and Astronautics, China

Dr. Jaroslow W. Drelich Michigan Technological University, USA

Prof. Donato Firrao Politecnico di Torino, Italy

Dr. Bowen LiMichigan Technological University, USAProf. Hsing K. LinUniversity of Alaska Fairbanks, USA

Prof. Sergio Neves Monteiro State University of Northern Rio de Janeiro, Brazil

Prof. Sanjay K. Nayak Central Institute of Plastics Engineering & Technology, India

Dr. Zhiwei PengMichigan Technological University, USAProf. Gehad Mohamed SalehNuclear Materials Authority (NMA), EgyptDr. Ramesh S. SharmaVisvesvaraya Technological University, India

Prof. Zhiyong Xu Binghamton University SUNY, USA



TABLE OF CONTENTS

Volume 2	Number 1	January 2014
Effect of Tolu and Cassava I	uene and Dioctylphthalate on the Rebar Corrosion of Mediu Fluid	m Carbon Steel in Seawater
M. Adamu, L.	L. E. Umoru, O. O. Ige	1
Comparative	Spectroscopic Studies on Pure, 10 and 50 mol% Glycine Mi	xed L-Valinium Picrate Crystals
A. A. Joseph, J	J. D. I. Ebenezar, R. C. Raja	8
Electrical Pro	operties of Nano-TiO ₂ Thin Film Using Spin Coating Method	1
A. A. Daniyan	n, L. E. Umoru, A. Y. Fasasi, J. O. Borode, K. M. Oluwasegun, S. O. O. O.	Dlusunle
	ctroless Copper Coating on the Corrosion Behavior of Alumi Reinforced with Silicon Carbide Particles	nium Based Metal Matrix
M. Zakaulla, A	A. R. A. Khan, P. G. Mukunda	21
Influence of S of Ductile Cas	Semi-Solid Isothermal Heat Treatment on Microstructure and st Iron	nd Mechanical Properties
M. Ramadan,	N. Fathy	26
	Experiments on Factors that Influence the Recovery of Gold amodi Gold Ore through Froth Flotation	during the Upgrade of
K. E. Oluwabu	unmi, A. A. Adeleke, A. R. Adetunji, S. O. Jeje, A. A. Abioye, O. A. Ades	sina, F. A. Ayeni, F. P. Ibitoye32
Mineralogical	l Characterization of Sieved and Un-Sieved Samples	
R. Lastra, W.	. Petruk	40
Effect of Orie	entation and Applied Load on Abrasive Wear Property of Bi	rass 60:40
M. S. Khan, Γ	D. Z. Hasan, S. M. Farhan	49
	and Machining Properties Analysis of Al6061-Cu-Reinforced K. Bharti, A. H. Ansari	-
Prediction of	the Elastic Properties of Short Basalt Fiber Reinforced Al A	lloy Metal Matrix Composites
E. Vannan, P.	P. Vizhian	61

The figure on the front cover is from the article published in Journal of Minerals and Materials Characterization and Engineering, 2014, Vol. 2, No.1, pp. 26-31 by Mohamed Ramadan, Naglaa Fathy.

OPEN ACCESS

JMMCE

Journal of Minerals and Materials Characterization and Engineering (JMMCE)

Journal Information

SUBSCRIPTIONS

The *Journal of Minerals and Materials Characterization and Engineering* (Online at Scientific Research Publishing, www.SciRP.org) is published bimonthly 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@2014 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: jmmce@scirp.org



Journal of Minerals and Materials Characterization and Engineering

ISSN: 2327-4077 (Print) ISSN: 2327-4085 (Online)

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

The Journal of Minerals and Materials Characterization and Engineering is an international peer-reviewed journal for the publication of original research in the fields of characterization of the minerals, metals and materials and its applications to the processing of them. Characterization has become the foundation for the discovery of new materials, the determination of their properties, understanding the occurrences and structures of materials, investigating on the performances, trouble shooting of feedstock, processes and products, and providing solutions for the industrial operations. The goal of this journal is to provide a platform for people to publish their findings in these subjects. In addition, the journal can be quite interdisciplinary for people researching in different fields being able to learn from each other and to broaden their perspectives and applications based on a common theme of characterization.

Subject Coverage

The journal publishes original research and review papers related to characterization in the areas of minerals, ceramics, metals, refractories, metallurgy, materials, energy, fillers, recycling and environmental issues. Specifics may include but not limited to the following fields:

- Aerosols
- Bio and Medical Minerals and Materials
- Ceramics
- Characterization Technologies
- Chemical and Physical Processing of Minerals, Energy and Resources
- Crystal Growth
- Electrochemical Processing
- Electromagnetic Field Interactions with Materials
- Emission Particulate Matters
- Environment
- Fillers and Polymers
- Fine Particulates
- Hydrometallurgical Processing
- Light and Wave Interactions with Materials
- Materials
- Metals

- Microscopic Investigations
- Microwave and Infrared Interactions with Materials
- Minerals, Energy and Natural Resources
- Mining
- Nanostructures
- Pyrometallurgical Processing
- Recycling
- Refractories
- Salt and Brines
- Separation and Extractive Processes
- Slac
- Sound Interactions with Materials
- Spectrometry

E-mail: jmmce@scirp.org

- Synthesis of Materials
- Thermal Characterizations
- Waste Processing

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy.

Website and E-Mail

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

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