

Table of Contents

International Journal of Surface Engineering and Interdisciplinary Materials Science

Volume 8 • Issue 1 • January-June-2020 • ISSN: 2166-7225 • eISSN: 2166-7233

Research Articles

- 1 **Hydrogen Storage Capacity in Ni/Pd@f-MWCNTS Decorated Graphene Oxide/Cu-BTC Composites at Room Temperatures: A Sustainable Cleaner Energy Production**
Madhavi Konni, Vignan's Institute of Engineering for Women, Visakhapatnam, India
Manoj Kumar Karnena, GITAM (Deemed to be) University, Visakhapatnam, India
Saratchandra Babu Mukkamala, GITAM (Deemed to be) University, Visakhapatnam, India

- 13 **Influence of Zinc Oxide Nanoparticles on the Optical, Dielectric and Electromagnetic Interference Shielding Performance of Polystyrene Films**
B. J. Madhu, Post Graduate Department of Physics, Government Science College, Chitradurga, India
Mohammed Irfan, Department of Physics, Government Science College, Chitradurga, India
A. Manjunath, Post Graduate Department of Physics, Government Science College, Chitradurga, India
N. P. Divya, Department of Physics, Government Science College, Chitradurga, India
S. S. Mahesh, Department of Physics, Acharya Institute of Technology, Bangalore, India
B. Shruthi, Department of Chemistry, Dr. Ambedkar Institute of Technology, Bangalore, India

- 25 **Optimization of Tribological Behavior of Mg-Wc Nanocomposites at Elevated Temperature**
Sudip Banerjee, Jadavpur University, Kolkata, India
Suswagata Poria, Jadavpur University, Kolkata, India
Goutam Sutradhar, Jadavpur University, Kolkata, India
Prasanta Sahoo, Jadavpur University, Kolkata, India

- 44 **Wear Characteristics of Ni-WC Powder Deposited by Using a Microwave Route on Mild Steel: Microwave Cladding of Ni-WC**
Hitesh Vasudev, Lovely Professional University, Phagwara, India

- 55 **Elastic Behavior of the Plain Journal Bearing Coated With a Textured Surface and a Non-Textured Surface: Plain Journal Bearing at Textured Surface Behavior**
Mehala Kadda, Université des Sciences et de la Technologie d'Oran Mohamed Boudiaf, Faculté de Génie Mécanique, Bir El Djir, Algeria
Bendaoud Nadia, Université des Sciences et de la Technologie d'Oran Mohamed Boudiaf, Faculté de Génie Mécanique, Bir El Djir, Algeria

COPYRIGHT

The **International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS)** (ISSN 2166-7225; eISSN 2166-7233), Copyright © 2020 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Surface Engineering and Interdisciplinary Materials Science* is indexed or listed in the following: Cabell's Directories; Google Scholar; INSPEC; MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory