

International Journal of Surface Engineering and Interdisciplinary Materials Science

January-June 2014, Vol. 2, No. 1

Table of Contents

RESEARCH ARTICLES

- 1 **Epoxy-Matrix MMT-Filled Nanocomposite Coatings onto Aluminum Substrates**
Fabrizio Quadrini, Department of Industrial Engineering, University of Rome "Tor Vergata", Rome, Italy
Denise Bellisario, Department of Industrial Engineering, University of Rome "Tor Vergata", Rome, Italy
Carmine Lucignano, Department of Industrial Engineering, University of Rome "Tor Vergata", Rome, Italy
Loredana Santo, Department of Industrial Engineering, University of Rome "Tor Vergata", Rome, Italy
- 15 **Parametric Study and Optimization of Nd: YAG Laser Micro-Turning Process of Different Grade of Alumina Ceramics Based on Taguchi Methodology**
G. Kibria, Department of Mechanical Engineering, Aliah University, Kolkata, India
B. Doloi, Department of Production Engineering, Jadavpur University, Kolkata, India
B. Bhattacharyya, Department of Production Engineering, Jadavpur University, Kolkata, India
- 47 **Influence of Process Parameters on Microstructure of Friction Stir Processed Mg AZ31 Alloy**
G. Venkateswarlu, Research Scholar, Department of Mechanical Engineering, NIT Warangal, Andhra Pradesh, India
M.J. Davidson, Assistant Professor, Department of Mechanical Engineering, NIT Warangal, Andhra Pradesh, India
G.R.N. Tagore, Department of Mechanical Engineering, NIT Warangal, Andhra Pradesh, India
P. Sammaiah, Department of Mechanical Engineering, S.R.Engineering College, Warangal, Andhra Pradesh, India
- 59 **Evaluation of Operational Characteristics in a Large Thrust Bearing**
Duriseti Venkata Srikanth, Department of Mechanical Engineering, Auroras' Engineering College, Hyderabad, India
K.K. Chaturvedi, BHEL (R&D), Vikasnagar, Hyderabad, India
A. Chenna Kesava Reddy, JNTUH, Kukatpally, Hyderabad, India
- 74 **Fabrication and Tribological Properties of Al-Si/B₄C Metal Matrix Composites**
Sadineni Rama Rao, SVCET, RV'S Nagar, Chittoor, Andhra Pradesh, India
G. Padmanabhan, Department of Mechanical Engineering, S.V. University College of Engineering, Tirupati, Andhra Pradesh, India
P.V. Chandra Shekar Rao, L.B.R College of Engineering, Mylavaram, Andhra Pradesh, India

Copyright

The International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS) (ISSN 2166-7225; eISSN 2166-7233), Copyright © 2014 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; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory