

Indian Journal of Engineering & Materials Sciences http://www.niscair.res.in; http://nopr.niscair.res.in; Impact Factor: 0.794 (JCR 2018)

VOLUME 26

NUMBER 3 & 4

JUNE-AUGUST 2019

CODEN: IEMSEW 26(3&4) 177-276

ISSN: 0971-4588 (Print); 0975-1017 (Online)

CONTENTS

Experimental investigation of the effects of friction stir processing and shot peening on mechanical properties of ductile iron Abdul Salam Y Obaid	181
Comparison of performance of different tool electrodes during electrical discharge machining Anshuman Kumar Sahu & Siba Sankar Mahapatra	186
Form tolerances investigation in EDM process for super alloys using multiple holes electrodes S Dhanabalan, K Sivakumar & C Sathiya Narayanan	200
Study on surface characteristics of friction stir processed AZ91 with titanium carbide micro particle S Vijayan, S R K Rao, G Selvakumar & J P Lalith Gnanavel	205
Taguchi and multi-objective genetic algorithm based optimization during ECDM of SiCp/glass fibers reinforced PMCs Parvesh Antil, Sarbjit Singh, Alakesh Manna & Nitish Katal	211
Study on the effect of process parameters with the use of minimum quantity lubrication and solid lubricants in urning Mayur A Makhesana, B K Mawandiya & K M Patel	220
Experimental investigations of nylon 6 polymer matrix composites material (70:30) for wear reduction in gears V Karthi & K Marimuthu	226
Performance assessment of air-water and TiO ₂ nanofluid mist spray cooling during turning hardened AISI D2 steel Ramanuj Kumar, Ashok Kumar Sahoo, Purna Chandra Mishra & Rabin Kumar Das	235
Multi-objective optimization of quality characteristics in single point incremental forming process by response urface methodology Narinder Kumar, R M Belokar & Anupam Agrawal	254
Abrasive water jet machining of carbon epoxy composite: Cutting performance, predictive regular and optimization Aiit Dhanawade & Shailendra Kumar	265