International Journal of MECHANICAL ENGINEERING

VOLUME 8 • NUMBER 2 • JULY-DECEMBER 2015

CONTENTS 32

N. Venkatesan, G. B. Bhaskar A. Gnanavel Babu, J. Fredric S. Vigneshan & R. Kalaiarasu	Mechanical Behavior of Various Volume Fractions of High Density Polyethylene Nanoclay Composite	91-95
C. Dhanasekaran and G. Mohankumar	Hydrogen gas fuelled Direct Injection Diesel Engine Characteristics Using Port Injection with Varying Injection Timing	97-102
P. Rama Lakshmi and P. Ravinder Reddy	Investigation of Fracture Parameters in Carbon Epoxy and Carbon Epoxy Carbon Nanotubes using Experimental and Finite Element Technique	103-108
A. Saravanakumarand P. Sasikumar	Prediction of Surface Roughness in Turning using Design of Experiments	109-113
Vivek Chacko and Bindu Kumar Karthikeyan	Film thickness for a Bingham Solid in Counter-formal Contact Conjunctions - A Numerical Approach	115-120
Charanjit Singh and Lakhvir Singh	Synthesis and Tribological Characterization of Aluminium-silicon Carbide Composite Prepared by Mechanical Alloying	121-126
Vekariyamukesh V., G. R. Selokar & Amitesh Paul	Optimization and Design of Heat Exchanger with Different Materials	127-132
Jayaswal Pratesh & Chakraborty Abhishek	"Failure Analysis of Brake Pedal Coil Spring of a Two Wheeler using Absorption Spectroscopy Technique"	133-136
Sanjay Kaila, G. R. Selokar & Amitesh Paul	Extraction of Exergy from Textile Waste and Glossy Paper	137-142
Sanjay Kumar, Mukesh verma & Sarabjot Singh	Weldability of Reinforced Cast Iron by Gas Metal ARC Welding	143-148
Seelam Pichi Reddy, bolla Ramana & A. Chennakesava Reddy	Sintered Density and Porosity of Al-15wt% Pb/Fly-ash Metal Matrix Composites	149-156