

International Journal of Materials Science and Engineering

CONTENTS

Volume 3, Number 3, September 2015

Prediction of Crack Initiation Load in Throughwall Circumferentially Cracked Pipes Using 3D Cohesive Zone Model.....	183
<i>Rehan. M. Siddiqui, Dattatray. N. Jadhav, and Nilesh.R. Raykar</i>	
Study on Effect of Process Parameters on Tensile Properties of Groundnut Shell-Vinyl Ester Composites: Analysis Using Design of Experiments.....	193
<i>G. U. Raju, S. Kumarappa, and V. N. Gaitonde</i>	
Permittivity and Permeability of Polycrystalline Ba(CoZr) _x Fe _{12-2x} O ₁₉ and Their Composite Thick Films at RF and Microwave Frequencies	208
<i>Mukesh C. Dimri and D. C. Dube</i>	
Low Temperature H ₂ S Gas Sensor Based on Fe ₂ O ₃ Modified ZnO-TiO ₂ Thick Film	219
<i>R. B. Pedhekar, F. C. Raghuvanshi, and V. D. Kapse</i>	
Evaluation and Examination of Volume Fraction, Porosity, Microstructure and Computational Modeling of Hybrid Metal Matrix Composites to Reveal the Heat Flow Distribution Characteristics	231
<i>S. A. Mohan Krishna, T. N. Shridhar, and L. Krishnamurthy</i>	
High Electronic Excitation Induced Modifications by 120 MeV Ni ⁹⁺ Ions in Ag-Polypyrrole Composite Films: A Comparative Study	244
<i>A. S. Dhaliwal and Yasir Ali</i>	
Modelling and Assessment of Repairs Conducted on Composite Materials.....	252
<i>Abel Ezimokhai, Alex Chong, and Jason Matthews</i>	