

TABLE OF CONTENTS

Volume 11 Number 8

August 2012

Optimization of Friction and Wear Behaviour in Hybrid Metal Matrix Composites Using Taguchi Technique

V. C. Uvaraja, N. Natarajan.....757

The Influence of Benzophenone Substitution on the Physico-Chemical Characterizations of 8-HydroxyQuinoline NLO Single Crystals

M. J. J. B. Gilda, S. Anbarasu, Y. Samson, P. A. Devarajan.....769

Study of Mechanical Behaviour of Coconut Shell Reinforced Polymer Matrix Composite

J. O. Agunsoye, T. S. Isaac, S. O. Samuel.....774

Assessing Mechanical Properties of Natural Fibre Reinforced Composites for Engineering Applications

O. D. Samuel, S. Agbo, T. A. Adekanye.....780

Drilling of TiO₂ and ZnS Filled GFRP Composites

K. V. Arun, D. S. Kumar, M. C. Murugesu.....785

Study on Factors Effecting Weld Pool Geometry of Pulsed Current Micro Plasma Arc Welded AISI 304L Austenitic Stainless Steel Sheets Using Statistical Approach

K. S. Prasad, C. S. Rao, D. N. Rao.....790

Finite Element Modeling of Low Heat Conducting Building Bricks

O. Oluwole, J. Joshua, H. Nwagwo.....800

Effect of Cenosphere Concentration on the Mechanical, Thermal, Rheological and Morphological Properties of Nylon 6

P. A. Wasekar, P. G. Kadam, S. T. Mhaske.....807

Crystal Growth, Optical and Dielectric Properties of L-Histidine Hydrochloride Monohydrate Nonlinear Optical Single Crystal

P. Koteeswari, S. Suresh, P. Mani.....813

Coal Chemistry and Morphology of Thar Reserves, Pakistan

A. Sarwar, M. N. Khan, K. F. Azhar.....817

Effects of Palm Kernel Shell on the Microstructure and Mechanical Properties of Recycled Polyethylene/Palm Kernel Shell Particulate Composites

A. J. Olumuyiwa, T. S. Isaac, O. A. Adewunmi, A. I. Ololade.....825

Effect of Normalizing and Hardening on Mechanical Properties of Spring

O. R. Adetunji, P. O. Aiyedun, S. O. Ismaila, M. J. Alao.....832

Comparative Assessment of Corrosion Behaviour of MCS and KS7 SS in Saline and Carbonate Environments

O. O. Ajide, K. W. Agara.....836

Computational Approach to Modelling Fracture Behaviour of Polypropylene/Talc Composites

C. O. Mgbemena, O. A. Okoye.....841

Comparative Phosphorus Removal Capabilities of *Eurotium herbarorium* and *Clostridium* Species on Nigeria's Agbaja Iron Ore

O. W. Obot, C. N. Anyakwo.....848

Kinetics Growth and Oxidation Resistance of Aluminide Coatings Deposited by the CVD Method on Re 80 Superalloy

M. Goral, M. Pytel, K. Dychton, A. Nowotnik.....853