

TABLE OF CONTENTS

Volume 1 Number 2

September 2011

Synthesis, Structure and Magnetic Properties of CoNi Submicrospherical Chains

Y. J. Zhang, S.-W. Or, Z. D. Zhang.....7

Acoustic Wave Propagation in Nanocrystalline RuCo Alloys

P. K. Yadawa, D. Singh, D. K. Pandey, G. Mishra, R. Yadav.....14

Random Laser of R6G Dye and TiO₂ Nanoparticles Doped in PMMA Polymer

B. T. Chiad, K. H. Latif, F. J. Kadhim, M. A. Hammed.....20

Fabrication and Studying the Mechanical Properties of A356 Alloy Reinforced with Al₂O₃-10% Vol. ZrO₂ Nanoparticles through Stir Casting

M. Hajizamani, H. Baharvandi.....26

Temperature and Orientation Dependence of Ultrasonic Parameters in Americium Monopnictides

D. Singh, R. Kumar, D. K. Pandey.....31

Synthesis, Crystal Growth and Characterization of Organic NLO Material: M-Nitroacetanilide

R. Rajendran, T. H. Freeda, U. L. Kalasekar, R. N. Peruma.....39

Ultrasonic Attenuation in Calcium Oxide

J. Kumar, Kailash, S. K. Shrivastava, D. Singh, V. Kumar.....44

Plasma Surface Functionalization of Biaxially Oriented Polypropylene Films with Trimethyl Borate

N. Dilsiz, H. Yavuz, S. Çörekçi, M. Çakmak.....50