

## Table of Contents

Volume 10 Number 3

March 2019

**High-Density Polyethylene Based on Exfoliated Graphite Nanoplatelets/Nano-Magnesium Oxide: An Investigation of Thermal Properties and Morphology**

A. I. Alateyah.....159

**Effects of Fluorine and Silicon Incorporation on Tribological Performance of Diamond-Like Carbon Films**

C. Jongwannasiri, S. Yoshida, S. Watanabe.....170

**Patterned Nanofoam Fabrication from a Variety of Materials via Femtosecond Laser Pulses**

J. A. Grant-Jacob, B. S. Mackay, J. A. G. Baker, Y. H. Xie, M. D. T. McDonnell,  
D. J. Health, M. Praeger, R. W. Eason, B. Mills.....186

**Study of Dielectric and Thermal Conductivity Characteristics of Polyimide Composite**

M. Oh, Y. Yoon, E. Jang, D. Moon.....197

**Strain Rate Effects on Tensile Properties of HDPE-PP Composite Prepared by Extrusion and Injection Moulding Method**

H. Sutar, H. S. Maharana, C. Dutta, R. Murmu, S. Patra.....205

**Nanostructure of Rutile TiO<sub>2</sub> Thin Films Prepared on Unheated Substrate by Dual Cathode DC Unbalanced Magnetron Sputtering**

W. Kongsri, S. Limsuwan, S. Chaiyakun, P. Limsuwan, C. Kedkaew.....216

**Corrosion of High Carbon Steel by Bacteria under Aerobic and Anaerobic Conditions**

R. C. Nwokorie, C. O. Nweke, S. I. Umeh, F. C. Ihenetu, O. R. Nlemolisa,  
U. N. Kemka, C. C. Obasi, C. I. Nnadi, K. H. Uzoho, C. C. Ejide.....227

**Environmental Effects on Electronic Devices in Mexico**

F. S. Pérez, A. O. Prado.....243

**Oxidation Kinetics of Aluminum Powders in a Gas Fluidized Bed Reactor in the Potential Application of Surge Arresting Materials**

H. Shih.....253