

Table of Contents

An Investigation of the Manufacturing Process, Structure, and Performance of the New Micro and Nano Thermoplastic-based Composites Prepared with Zeolite Filler.....	5
Ahmed Hebatalrahman	
Failure Evaluation of Cupronickel Alloy Used in the Condenser of the Desalination Unit.....	21
Javad Hashemi; Amin Rabiezadeh	
Assessment of Third-order Shear Deformation Graphene Nanoplate Response under Static Loading Using Modified Couple Stress Theory.....	41
Majid Eskandari Shahraki; Mahmoud Shariati; Naser Asiaban; Ali Davar; Mohsen Heydari Beni; Jafar Eskandari Jam	
Experimental Study on In-Depth Residual Stress due to 420 Stainless Steel Creep-Feed Grinding Using the Deflection-Electro Polishing Technique.....	59
Vahid Jafarpour; Rasoul Moharrami	
Fabrication of Various Dimple Shapes and Arrays on a Hypereutectic Al-Si Alloy Using a Turning Process.....	75
Jaharah A. Ghani; Faarih Farhan Mohd Nasir Mohd Nasir; Mohd Nor Azam bin Mohd Dali; Wan Fathul Hakim W. Zamri; Mohd Shahir Kasim; Che Hassan Che Haron	
Design, Fabrication, and Assessment of a Hydrodynamic Reactor for Biodiesel Production.....	83
Kimia Taki; Bahram Hosseinzadeh Samani	