

Table of Contents

Effects of Nickel Nitrate Modification on the Characteristics of Cashew Nutshell-Derived Biochar	
R. Tumwine, H. Ndiritu and F. Njunguna	1
Impact of Bamboo Particles Treatments on the Physicomechanical, Thermal and Structural Properties of Polypropylene Random	
A. Chakir, F. El Amarty, M. Alami and M. Assouag	21
Performance and Predictive Modeling of Self-Compacting Mortars Containing Fine RAP and Silica Fume	
A. Nehari, A. Ait Mohamed Amer, O. Safer, A. Hadj Mostefa, M. Salhi, T. Saiah and K. Ezziane	41
Identification of Friction Stir Welding Joint Areas in Crevices of Polyethylene Pipes	
D. Bouha, B.M. Ali, A. Kaou, H.M. Meddah, A.N. Zaim and B. Taharou	65
Investigation of Thermal Hydraulic Performance of Wavy Double Forward Facing Step	
K.S. Mushatet, S.R. Nashee and A.K.A. Razzaq	83
Parametric and Computational Fluid Dynamics Study on Improving the Design of a Degumming Reactor	
V.O. Akande, T.J. Erinle, A.I. Alao, B.K. Adeoye, A.A. Rasheed and T.I. Ogedengbe	99
Thermodynamic Optimization of an Organic Rankine Cycle for Energy Recovery from Phosphogypsum Desulfurization Waste Heat	
M. Alla, O. Ghoulam, K. Amghar, M.L. El Hafyan and E.K. Gharibi	117
Fluid-Structure Interaction Analysis of Load Capacity Characteristics for Main Bearing Bush in Marine Low-Speed Engine	
X.H. Zhang and Q. Dong	129
The Effect of Clearances on the Contact Interaction Force in the Parts of a Screw Conveyor Drive	
O. Lyashuk, T. Dubyniak, I. Hevko, I. Tkachenko, O. Dmytriv, N. Khomuk and A. Dovbush	143
Analytical Study and Conservation Plan of Akhmerutnisut's Tomb at Western Cemetery, Giza Plateau, Egypt	
Y.K. Hefni, M.Y. Sedek and I. Torres	155