

Table of Contents

Processing and Characterization of a Copper Based Binary Alloy Achieved by Solid Phase Compaction and Sintering K. Arar, S. Mansouri, R. BENBOUTA and K. Fedoui	1
Experimental Study of Temperature Effect on Drilling Mud with Local Additives I. Ohenhen, S. Ogiriki, I. Imuetiyan and O. Ezeja	9
Assessment of the Influence of Corrosive Aggressive Cargo Transportation on Vehicle Reliability P. Popovych, O. Shevchuk, V. Dzyura, L. Poberezhna, V. Dozorsky and A. Hrytsanchuk	17
Structural Controllability of Switched Linear Singular Systems Modelled by Bond Graph M. Bendaoud, H. Hihi and K. Faitah	26
Modeling of the Supplying Process of Building Mixture by Using of Peristaltic Concrete Pump D. Chayka, I. Emeljanova, A. Grigoryev and P. Andrenko	46
Corrosion of Steel Reinforcements in Concretes of Non-Coastal Areas - Case Study: Kigali, Rwanda G. Abaho, M.R. Pranesh and G.S. Kumaran	60
The Main Regularities of Ignition and Combustion of Coal-Water Fuels Produced from Fat, Non-Baking Coal and Anthracite V. Pinchuk	67
Modelling the Performance of Occupational Safety and Health in a Tobacco Manufacturing Industry in Nigeria K.A. Adebiyi, A.O. Ajayeoba, O.A. Adunbarin, W.A. Raheem and O.O. Akinyemi	79
Economic Analysis of the Using of Traditional Fuel and Solar Energy to Power Irrigation Pumps in Egypt E.R. Shouman, H. Ezz and E.S. Bakhoun	87
Intensification of Open Mining Operations with a Small Distance of Transportation of Rock Mass A.Y. Cheban and N.P. Khrunina	100
Application of the UN-Habitat Integrated Sustainable Waste Management Methodology to Evaluate the Solid Waste Management System in the City of Kano, Nigeria H.S. Muhammad and I.U. Salihi	115
Evaluation and Analysis of Factors Affecting Road Traffic Accidents in Tripoli-Libya F.A.A. Elturki and S.I.A. Ali	124
Optimization of Process Flow in an Assembly Line of Manufacturing Unit through Lean Tools Execution S. Nallusamy and V. Saravanan	133
New Solution Methods for Single Machine Bicriteria Scheduling Problems: Minimizing the Total Flowtime and Maximum Tardiness with Zero Release Dates S. Akande	144
An Approach for the Evaluation of a Product's Process Planning during the Design Phase through a Group Multi-Criteria Decision-Making F. Guini, A. El Barkany, A. Jabri and E.H. Irhirane	154