

## Table of Contents

<b>Failure of Service Exposed Heat Resistant Cast Steel Tube</b> M. Aichaoui and A. Hadji	1
<b>Study of Microstructure and Mechanical Properties of Sintered Fe-Cu Alloys</b> L. Baroura, A. Boukhobza, A. Derardja and K. Fedoui	5
<b>The Stress Triaxiality Effect under Large Plastic Deformation of a Polybutylene Terephthalate (PBT)</b> A.N. Zaim, B. Bouchouicha, H.M. Meddah and E.B. Ould Chikh	13
<b>Temperature Effect on the Mechanical Properties of Very High Performance Concrete</b> M. Belaoura, D. Chiheb, M.N. Oudjit and A. Bali	29
<b>Evaluation of Moisture and Ageing Effects on Calcium Carbonate Nanoparticles Modified Asphalt Mixtures</b> S.I.A. Ali, R. Abdulwahid, M.L. Eidan and N.I. Md Yusoff	40
<b>Use of Algerian Natural Mineral Deposit as Supplementary Cementitious Materials</b> K. Arroudj, S. Dorbani, M.N. Oudjit and A. Tagnit-Hamou	48
<b>Incidence of Calcic, Sulfates and Phosphates Salts on the Coagulation-Flocculation of Organic Compounds by Aluminium Sulfate</b> L. Hecini and S. Achour	59
<b>Modelling of <i>Grewia mollis</i> Stem Bark Gum Extraction Yield Using Neuro-Fuzzy Technique</b> E.O. Oke, O. Adeyi, A.J. Adeyi and K.F. Adekunle	70
<b>Voltage Unbalance Mitigation and Voltage Profile Enhancement in Secondary Distribution System Using Dynamic Voltage Restorer</b> O.P. Taiwo, R. Tiako and I. Davidson	81
<b>A Survey of Advanced Marine Communication and Navigation Technologies: Developments and Strategies</b> P.A. Sarkodie, Z.K. Zhang, B.B. Benuwa, B. Ghansah and E. Ansah	102
<b>Lead Time Reduction through Execution of Lean Tool for Productivity Enhancement in Small Scale Industries</b> V. Saravanan, S. Nallusamy and K. Balaji	116
<b>Efficiency Enhancement in a Medium Scale Gearbox Manufacturing Company through Different Lean Tools - A Case Study</b> V. Saravanan, S. Nallusamy and A. George	128
<b>An Empirical Inquiry into Maintenance Work of Auto-Mechanics and its Relative Bearing on Road Traffic Accidents - A Developing Country Case, Ghana</b> A.A. Agbo, W.F. Li, L.B. Zheng and C. Atombo	139
<b>Models for Solving Integrated Planning and Scheduling Problem: Computational Comparison</b> Z.I.M. Hassani, A. El Barkany, A. Jabri and I. El Abbassi	161
<b>Sales and Operations Planning (S&amp;OP) Concepts and Models under Constraints: Literature Review</b> L. Nabil, A. El Barkany and A. El Khalfi	171
<b>Risk and Performance within Supply Chains - Case of Moroccan Industries</b> M. El Hiri, A. En-Nadi and A. Chafi	189