

Table of Contents

Effect of Natural and Artificial Aging on the Mechanical Properties of Two Al-Mg-Si Alloys K. Djemmal, H. Farh, R. Guemini, M. Zidani and F. Serradj	1
Influence of Hygrothermal Environmental Conditions on the Vibratory Responses of Glass Polyester Composite Plate Impacted by a Steel Projectile A. Bakhti and F.B. Boukhoulda	8
Feasibility on the Use of Pre-Compressed Scrap Tire Strips as Components of Laminated Building Structures M.M. Ogot	21
Effect of the Slope on the Undrained Bearing Capacity of Shallow Foundation M. Baazouzi, M. Mellas, A. Mabrouki and D. Benmeddour	32
Assessment of Gravel Properties Sourced within Oyo North Senatorial District: Case Study of Ogbomoso G. Bamigboye, D.O. Olukanni, A.A. Adedeji, O. Ofuyatan, A.A. Busari, I.T. Tenebe, P.C. Emenike and B. Oniemayin	45
Applications of Performance Tables on Steady State Analysis of Multipass Parallel Cross Flow Heat Exchanger K. Silaipillayarputhur, A. Al-Saif and M. Al-Otaibi	53
Effects of Viscous Dissipation and Double Stratification on MHD Casson Fluid Flow over a Surface with Variable Thickness: Boundary Layer Analysis T.M. Ajayi, A.J. Omowaye and I.L. Animasaun	73
Boundary Layer Analysis of Exothermic and Endothermic Kind of Chemical Reaction in the Flow of Non-Darcian Unsteady Micropolar Fluid along an Infinite Vertical Surface O.K. Koriko, A.J. Omowaye, I.L. Animasaun and I.O. Babatunde	90
Optimal Homotopy Analysis of Blasius and Sakiadis Newtonian Flows over a Vertical Convective Porous Surface F.I. Alao, A.J. Omowaye, A.I. Fagbade and B. Ajayi	102
Magneto-Hemodynamics of Nanofluid with Heat and Mass Transfer in a Slowly Varying Symmetrical Channel O.D. Makinde, Z.H. Khan, W.A. Khan and M.S. Tshehla	118
Application of Dynamic Voltage Restorer for Power Quality Improvement in Low Voltage Electrical Power Distribution Network: An Overview O.P. Taiwo, R. Tiako and I. Davidson	142
Application of Several Models for the Forecasting of the Container Throughput of the Abidjan Port in Ivory Coast P.K.P. Gamassa and Y. Chen	157
Modeling and Optimization a Production/Maintenance Integrated Planning G. Ettaye, A. El Barkany and A. El Khalfi	169
Inventory Models for Spare Parts Management: A Review O. Bounou, A. El Barkany and A. El Biyaali	182
A Corporate Social Responsibility of Engineering the Liquidity-Adjusted Capital Asset Pricing Modelling Sub-Sahara Africa: Evidence from Ghana S. Duduchoge, H.X. Yao, B.C. Ampimah and P. Harvim	199