

## Table of Contents

<b>Appraisal of a Novel Reliability Optimisation Model Using Hypothetical Problems</b> S.B. Twum and E. Aspinwall	1
<b>Influence Factor Analysis of Multi-Stage Management Engineering for Multinational Micro Businesses: An Empirical Analysis Using Data Envelopment Analysis</b> B. Wang and J. Li	15
<b>Microstructure/Mechanical Property Correlations in a Medium Carbon Steel</b> C.C. Chama	25
<b>Effect of Corrosion on the Tensile Property of Austenised AISI 1040 Steel Exposed to Stagnant Seawater</b> U.U. Georgina and B. Onyekpe	35
<b>Ranging Technique Based on Conically Scanned Single Pixel Millimeter Wave Radiometer</b> X. Lu, L. Wu, Z.L. Xiao and J.Z. Xu	43
<b>The Design and Construction of a 2kVA Inverter with Automatic Timing Capability</b> S.T. Apeh and O.I. Omoifo	53
<b>A Novel Deformation Prediction Model for Mine Slope Surface Using Meteorological Factors Based on Kernel Extreme Learning Machine</b> S.W. Du, J. Zhang, Z.B. Deng and J.T. Li	67
<b>Thermodynamic Evaluation of a 42MW Gas Turbine Power Plant</b> H. Egware, A. Obanor and H. Itoje	83
<b>Development of Model Equations for Selecting Optimum Storage Parameters for Stored Cabbages</b> M.O. Sunmonu, O. Chukwu, Z.D. Osunde and B.A. Alabandan	95