

## Table of Contents

<b>An Explicit Solution to Continuum Compliant Cantilever Beam Problem with Various Variational Iteration Algorithms</b> T. Akano	1
<b>Finite Element Analysis to Verify the Structural Integrity of an Aeronautical Gas Turbine Disc Made from Inconel 713LC Superalloy</b> A.D. Sarti Leme, G. Creci, E.R. Barbosa de Jesus, T.C. Rodrigues and J.C. Menezes	15
<b>Impact Mechanics of Football Helmet with Various Shell Liner Configurations</b> T. Akano and O.A. Fakinlede	27
<b>Aerodynamic Analysis of High Energy Efficiency Vehicles by Computational Fluid Dynamics Simulation</b> V. Fuerst Pacheco and D.A. de Miranda	41
<b>The Behavior Study of Reinforced Concrete in an Aggressive Environment</b> N. Khial and Y. Bellal	53
<b>Development of a System Dynamic Model for Sawmill Safety System</b> A.O. Ajayeoba, W.A. Raheem and K.A. Adebisi	63
<b>Determinants of Mobile Subscribers Satisfaction: A Case Study University of Port Harcourt</b> U. Kamalu and I.T. Okoko	75