

# Table of Contents

Volume 4    Number 2

May 2016

<b>Development of Product Design Projects Applying Specifications and Factors Matrix (SFM) as a Support Tool in Higher Education</b>	
J. L. Santolaya, A. M. Biedermann, A. Serrano.....	141
<b>Estimation of Passenger Car Equivalents for Basic Freeway Sections at Different Traffic Conditions</b>	
J. T. S. Al-Obaedi.....	153
<b>Intelligent Parking System</b>	
A. Ahad, Z. R. Khan, S. A. Ahmad.....	160
<b>Development and Performance Study of Controlled Atmosphere for Fresh Tomato</b>	
M. F. Ahmed, M. Z. Islam, M. S. H. Sarker, S. M. K. Hasan, R. Mizan.....	168
<b>Anthropometry Survey of Nigerian Occupational Bus Drivers to Facilitate Sustainable Design of Driver's Workplace</b>	
O. A. Samuel, D. Israel, F. Moses.....	176
<b>RapidSCAT Sigma-0 and Tb Measurements Validation</b>	
P. Fiati.....	183
<b>The Contributions of Building Information Modelling to Sustainable Construction</b>	
S. Soltani.....	193
<b>Accelerated Testing of Devices on Durability and Fatigue Failure</b>	
A. Prangishvili, O. Namicheishvili.....	200
<b>Heat Transfer Efficiency of Turbulent Film Boiling on a Horizontal Elliptical Tube with External Flowing Liquid</b>	
H.-P. Hu.....	206
<b>Analysis of Water Pipeline Breaks</b>	
C. Samba, M. Baldeh, K. Tuffour.....	220
<b>Prediction of Burst Pressure of a Radial Truck Tire Using Finite Element Analysis</b>	
K. M. Jeong.....	228
<b>Comparative Study of Different Materials with Al-Sic for Engine Valve Guide by Using FEM</b>	
H. K. Srivastva, A. S. Chauhan, M. Kushwaha, A. Raza, P. Bhardwaj, V. Raj.....	238
<b>Ship System Maintenance Strategy Selection Based on DELPHI-AHP-TOPSIS Methodology</b>	
I. Emovon.....	252

<b>Physiological Changes in Red Onion Bulbs at Different Storage Temperature</b>	
M. Sohany, M. K. U. Sarker, M. S. Mahomud.....	261
<b>Simulation of a Triple Inverted Pendulum Based on Fuzzy Control</b>	
W. Chen, N. Theodomile.....	267
<b>A Comparative Study on Test Case Generation of Concurrent Programs</b>	
B. K. Sahoo, M. Ray.....	273
<b>Intensification of the Banana Drying Processes by Using EFL Electromagnetic Waves</b>	
A. Memmedov, T. Abbasov, M. Şeker.....	281
<b>Modal Analysis of Battery Box Based on ANSYS</b>	
J. N. Wang, X. Y. Zhao.....	290
<b>Characterisation of Raw Sewage and Performance Evaluation of Al-Diwaniyah Sewage Treatment Work, Iraq</b>	
H. Janna.....	296
<b>Investigate of Effective Factors on Extraction of Silver from Tailings of Lead Flotation Plant Using Thiourea Leaching</b>	
B. Masoud, A. Amir, R. Bahram.....	305
<b>Assessment of Site Parameters and Heat Recovery Characteristics on Combined Cycle Performance in an Equatorial Environment</b>	
S. Adumene, S. Nitonye.....	313
<b>Prototype Road Surface Management System</b>	
A. Abdulhafedh.....	325
<b>Influence of Macro-Topography on Damage Tolerance and Fracture Toughness of Monolithic Epoxy for Tribological Applications</b>	
R. Atif, F. Inam.....	335
<b>Finite Element Analysis on a Square Canister Piezoelectric Energy Harvester in Asphalt Pavement</b>	
H. B. Wang, C. H. Sun.....	361
<b>A Data-Driven Simulation Model for China Haze Monitor and Governance</b>	
X. Y. Lu, H. Chen, M. Wang, Z. Y. Cai.....	374