

MESSAGE FROM EDITOR-IN-CHIEF

Assalamualaikum Warahmatullahi Wabarokatuh

Journal of Engineering and Technology (JET) is an open access peer reviewed journal published twice a year by Malaysian Technical Universities (MTU). This latest edition (Vol 8 No.2) is a continuing effort to share the latest findings in the fields of Mechanical and Manufacturing Engineering, Electrical and Electronic Engineering, Civil and Building Engineering and Computer Science and Engineering. The journal provides an ideal platform for the exchange of knowledge, but not limited to the abovementioned fields of expertise.

This edition consists of ten single blind peer-reviewed articles written by researchers with expertise and knowledge in the various fields of research, contributed from both local and international authors including Ethiopia, India and Nigeria. Hence, with these positive progresses, we welcome more contributions from both the scientific community and industrial practitioners.

Parallel with the aim to establish a good journal standing, we have continuously worked a long way to produce high quality journal articles that have been proofread by the professionals together with our continuous effort in obtaining internationally recognized indexing bodies. It is in-progress and it is our aspiration to bring this journal at par with those of the leading ones in the near future.

Finally, on the behalf of the Editorial Board, I would like to express my sincere appreciation to all parties who have contributed in the publication of JET Vol. 8 No. 2. Special thanks to all editors, technical editors, reviewers and authors of the articles. It is their generous contributions of time and effort that made this issue possible.

Thank you.

Professor Dr. Md. Razali bin Ayob

Editor-in-Chief

Journal of Engineering and Technology

JOURNAL OF ENGINEERING AND TECHNOLOGY

Contents

Volume 8 Number 2 July - December 2017

<i>No.</i>	<i>Title</i>	<i>Page</i>
1.	Life Cycle Engineering Case Study: Sulphuric Acid Production <i>J. A. Adeniran, R.O. Yusuf, M.A. Adetoro</i>	1
2.	Medical and Healthcare Waste Management in African Cities: A Case Study <i>A. C. Ogbonna, M. Abubakar, I.O. Lasisi</i>	27
3.	A Review on the Relationship Between Business Plan Learning Outcomes and Business Plan Simulation in Entrepreneurial Education <i>M. Guzairy, M. Norhidayah, Y. Ahmad Rozelan, M. Haslinda</i>	43
4.	Physical and Mechanical Characteristics of Charcoal, Sawdust and Sugarcane Bagasse as Solid Fuel Materials <i>S. Abdulkareem, H.A Badejo, I.I Ahmed, J.A. Adebisi, Y. Taiwo, T.K Ajiboye and A.T Abdulrahim</i>	57
5.	Alternative Method to Check Ambiguity in Context Free Grammars <i>L. A. Alamirew</i>	71
6.	Utilization of Cockle Shells as Partial Binder Replacement in Concrete <i>N.F Nor Hisham, N. Razali, N. Razali</i>	83
7.	Quantitative Analysis on the Contribution Rates of Sources of Construction Waste <i>B. Amirthakadeshwaran, V.G. Kalpana</i>	101
8.	A Review of R Peak Detection Techniques of Electrocardiogram (ECG) <i>A. Yadav, N. Grover</i>	115
9.	The Effectiveness of Sodium Polyacrylate as Landscape Catalyst <i>N. Wahiduddin, H. Mat Desa, A. I. Zainal, A. Hussain</i>	135
10.	Evaluating the Performance of Unconfined Compressive Strength of Trong Clay Stabilized with Granite Sludge <i>R. Che Mamat, A. Ramli, M. R. Mat Yazid</i>	127

