

Foreword

Welcome to the **First Issue 2015** of the Journal of Science and Technology (JST)!

JST is an open-access journal for studies in science and technology published by Universiti Putra Malaysia Press. It is independently owned and managed by the university and is run on a non-profit basis for the benefit of the world-wide science community.

In this issue, **13 articles** are published, **one** is review articles and **seven** are regular articles. **Five articles** are from Curtin University's Technology, Science and Engineering International Conference "Engineering Goes Green" (CUTSE 2012). The authors of these articles vary in country of origin, coming from **Malaysia, India, Nigeria, China, Myanmar and Australia**.

The review article in this issue discusses the applications of ^{18}F FDG PET/CT in Oncology (*AS Fathinul Fikri, AJ Nordin, YK Cheah and FN Ahmad Saad*). The first regular article in this issue is on a case control study of smoking behavior among adolescents in rural schools in Malacca, Malaysia (*Nor Afiah, M. Z., Rahmah M. A., Salmiah, M.S., Lye, M.S., Shamsul Azhar, S. and Fazilah, I.*). The following article look at: prevalence of psychological stress among undergraduate students attending a health programme in a Malaysian university (*Phang, C. K., Sherina, M. S., Zubaidah, J. O., Noor Jan, K. O. N., Firdaus, M., Siti Irma, F. I. and Normala, I.*); analysing elephant habitat parameters using GIS, remote sensing and analytic hierarchy process in peninsular Malaysia (*Suhaida Aini, Alias Mohd Sood and Salman Saaban*); removal of dissolved organic carbon from peat swamp runoff using assorted tropical agriculture biomass (*Sim, F. S., Mohd Irwan Lu, N. A. L., Lee, Z. E. T. and Mohamed, M.*); optimization of drilling parameters for delamination associated with pre-drill in chopped strand mat glass fibre reinforced polymeric material (*T. Panneerselvam and S. Raghuraman*); RFID-enabled web-based interface for a chemical storage management system (*Rosiah Osman, Abd. Rahman Ramli, Wan Azizun Wan Adnan and Intan Helina Hasan*); and modelling of carbon dioxide absorption into aqueous ammonia solution in a wetted wall column (*Ujjal Kumar Ghosh, Chiu Choon Hong, Jobrun Nandong and Shufeng Shen*).

I conclude this issue with five articles arising from the CUTSE 2012 international conference: T-DepExp: simulating transitive dependence based coalition formation (*Billy Pik Lik Lau, Ashutosh Kumar Singh and Terence Peng Lian Tan*); synthesis of nanoparticle-based binary oxide electrode $\text{TiO}_2\text{-ZrO}_2$ with carrot-derived natural dye extract for dye sensitized solar cell (DSSC) application (*S. Y. Win, T. T. Win, Y. M. Maung, K. K. K. Soe, T. T. Kyaw, C. K. Tan, S. Rajalingam and Z. Oo*); information technology: impacts on environment and sustainable development (*Adib Kabir Chowdhury and Veeramani Shanmugan*); experimental study on mixed convection heat transfer in a square duct with varying inclination angles (*G. Rajamohan, R. Narayanaswamy and P. Kumar*); and microstructure analysis, physical and thermal properties of $\text{Al}_2\text{O}_3\text{-Al}_2\text{TiO}_5$ functionally graded ceramics for the application of car brake rot (*Rong Kimberly, F. P., Oo, Z. and Sujana, D.*)

I anticipate that you will find the evidence presented in this issue to be intriguing, thought-provoking, and, hopefully, useful in setting up new milestones. Please recommend the journal to your colleagues and students to make this endeavour meaningful.

I would also like to express my gratitude to all the contributors, namely, the authors, reviewers and editors for their professional contribution towards making this issue feasible. Last but not least, the editorial assistance of the journal division staff is fully appreciated.

JST is currently accepting manuscripts for upcoming issues based on original qualitative or quantitative research that opens new areas of inquiry and investigation.

Chief Executive Editor

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