

Foreword

Welcome to the fourth Issue of 2019 for 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 for the benefit of the world-wide science community.

This issue contains 57 articles; 5 are review articles, 1 case study, 1 short communication and the rest are regular articles. The authors of these articles come from different countries namely Malaysia, United Kingdom, Germany, Denmark, Indonesia, Nigeria, India, Oman, Algeria, Iraq, Iran and Thailand.

Nik Zarina Nik Mahmood and colleagues from Universiti Teknologi MARA discussed about the surface roughness and shear bond strength of 2 types of composite veneer. They concluded that the laboratory-made veneer system exhibited superior surface roughness than prefabricated veneer system when treated with different types of surface treatments. Further details on the study can be found on page 1539.

A regular article titled “Identifying analogues of 2-deoxyglucose, α -D-glucose and β -D-glucose-6-phosphate as potential inhibitors of human hexokinase II for the development of anti-dengue therapeutics” was co-authored by Suriyea Tanbin, Nurhainis Ogu Salim and Fazia Adyani Ahmad Fuad from International Islamic University Malaysia and Institute for Medical Research. They successfully identified compounds similar to 2-deoxyglucose, α -D-glucose and β -D-glucose-6-phosphate by using ligand-based screening program. Detailed information on this study can be found on page 1625.

Mohmad Khalel Ibrahim and researchers from University of Al Muthanna and Al-Qasim Green University, Iraq summarized the utilization of *Cassia surratensis* seeds as a natural adsorbent for oil content removal in oilfield produced water. They concluded that the use of *Cassia surattensis* seeds to eliminate oil content in oilfield produced water was an ecological and low-cost method, which was confirmed with the Freundlich adsorption isotherm model. Details on this study are presented on page 2123.

We anticipate that you will find the evidences presented in this issue to be intriguing, thought provoking and useful in reaching new milestones in your own research. Please recommend the journal to your colleagues and students to make this endeavour meaningful. All the papers published in this edition underwent Pertanika’s stringent peer-review process involving a minimum of two reviewers comprising internal as well as external referees. This was to ensure that the quality of the papers justified the high ranking of the journal, which is renowned as a heavily-cited journal not only by authors and researchers in Malaysia but by those in other countries around the world as well.

We would also like to express our gratitude to all the contributors, namely the authors, reviewers, Editor-in-Chief and Editorial Board Members of JSSH who have made this issue possible.

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

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