

Foreword

Welcome to the First Issue of 2020 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 23 articles; one review article and the rest are regular articles. The authors of these articles come from different countries namely Malaysia, India, Indonesia, Iraq, Phillipines, Pakistan and Iran.

Adam Linoby and co-researchers from Universiti Teknologi MARA have investigated the acute effects of iso-caloric high intensity and moderate-intensity continuous exercise as well as high-intensity exercise on subsequent energy intake, appetite score and blood glucose for the obese adult population. They concluded that moderate intensity exercise and high-intensity exercise played an essential role in negative energy balance by induced suppression of appetite and calories intake. Details on this study are presented on page 279.

Huda Adil Sabbar and colleagues from Iraq investigated the removal efficiency of malachite green dye ions by using a bulk liquid membrane, which contained salicylic acid as carrier, sodium hydroxide as extractant and acetic acid as acceptor. The efficiency of the system was dependent upon the principal parameters, such as the acceptor phase pH, dye concentration and carrier concentration. They revealed that a relatively high percentage of removal of malachite green dye (98.4%) were achieved at pH 6 with 20 mg/L of dye concentration and 12mg/L of carrier concentration. Further details on the study can be found on page 353.

A regular article titled “Comparative study on inhibitors comprising aromatic and non-aromatic solvents towards flow assurance of crude oil” was published by S M Anisuzzaman, Duduku Krishnaiah and Sharmini Nair Prathaban from Universiti Malaysia Sabah. Their results showed that the most optimum ratio of inhibitor that gave the highest reduction in viscosity of the crude oil was 30% of ethylene vinyl acetate, 30% of methylcyclohexane and finally 40% ratio of solvent which was either toluene or butanol. Detailed information on this study can be found on page 369.

We anticipate that you will find the evidence 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 JST, 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.

Chief Executive Editor

Prof. Dato' Dr. Abu Bakar Salleh

executive_editor.pertanika@upm.edu.my