Foreword

Welcome to the Third 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 30 articles; one is review article and the rest are regular articles. The authors of these articles come from different countries namely Bangladesh, India, Indonesia, Iran, Iraq, Malaysia, Nigeria, Palestine and Vietnam.

Articles submitted in this issue cover various scopes of Science and Technology including environmental sciences, engineering sciences, information, computer and communication technologies, medical and health sciences, applied sciences and technologies, earth sciences, chemical sciences, mathematical sciences and physical sciences.

An article discusses on remote sensing satellite technology whereby Landsat 8 OLI TRIS was used to monitor post-fire forest changes through the ΔNBR and ΔNDVI indices which can identify the humidity level of burned and unburned forests. Detailed information on this study can be found on page 1105.

An article titled "Robust Breast Cancer Classification Using Wave Atom and Back Propagation Neural Networks" discusses the utilization of wave atom transform and back propagation algorithm to classify cancer. This method provides automatic detection with 90% of accuracy which significantly reduces pointless surgical procedures. Further details of the article are available on page 1247.

Aswad and colleagues in their paper titled "Modelling of Groundwater Pumping Scenarios and their Impact on Saline Water Intrusion in a Tripoli Coastal Aquifer, Libya" report briefly on modelling of groundwater pumping using MODFLOW-2005 code. This study suggests that this model is a useful predictive tool to warn possible consequences in the aquifer caused by intensive pumping. Details on this study are presented on page 1407.

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, Editors-in-Chief and Editorial Board Members of JST and editors, 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.