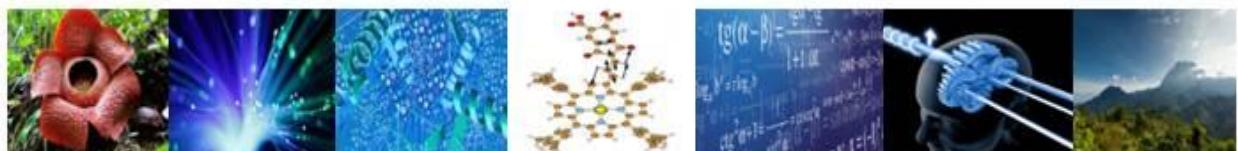


# **TRANSACTIONS ON SCIENCE AND TECHNOLOGY**



**Volume 6 Issue 3 September 2019**



**ISSN 2289-8786**

# Transactions on Science and Technology

**ISSN: 2289-8786**

***Editors-in-Chief***

**Jedol Dayou**

*Energy, Vibration and Sound Research Group (e-VIBS),  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia.  
jed[at]ums.edu.my*

**Khim Phin Chong**

*FGV Professor Chair,  
Universiti Malaysia Sabah.  
chongkp[at]ums.edu.my*

***Managing Editor***

**Fui Pien Chee**

*Energy, Vibration and Sound Research Group (e-VIBS),  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia.  
fpchee06[at]ums.edu.my*

***Editorial Board***

**Aini Janteng**

*Mathematics with Economics Programme,  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah.*

**Chong Mun Ho**

*Mathematics with Economics Programme,  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah.*

**Ismail Jusoh**

*Faculty of Resource Science and Technology,  
Universiti Malaysia Sarawak.*

**Jualang Azlan Gansau**

*Biotechnology Programme,  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah.*

**Leong Wan Vun**

*Environmental Science Programme,  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah.*

**Noumie Surugau**

*Industrial Chemistry Programme,  
Faculty of Science and Natural Resources,  
Universiti Malaysia Sabah.*

**Rachel Fran Mansa**

*Chemical Engineering Programme,  
Faculty of Engineering,  
Universiti Malaysia Sabah.*

**Sebastian Dayou**

*School of Engineering & Technology,  
University College of Technology Sarawak.*

**Yeong Sheng Tey**

*Institute of Agricultural and Food Policy Studies,  
Universiti Putra Malaysia.*

***International Editorial Board***

**Baba Musta**

*Universiti Malaysia Sabah, Sabah, Malaysia*

**Cesar G. Demayo**

*Mindanao State University-IIigan Institute of Technology,  
Philippines*

**Mariam Gaidamashvili**

*Iv. Javakhishvili Tbilisi State University, Georgia*

**Sa-Ouk Kang**

*Seoul National University, South Korea*

***Associate Editor***

**Jackson Chang (MSc), Malaysia**

***Associate Editors (Special Issue)***

**Arnyitte Alexander (MSc)**

*Malaysia*

**Syahriel Abdullah (MSc)**

*Malaysia*

***Website Manager***

*Kimberly Nicola Jiun, Malaysia*

**<http://tost.unise.org/>**

**Volume 6, Issue 3 (September 2019)***Table of Contents***Full Articles**

- |  |     |   |
|--|-----|---|
| <i>Wing-Shen Lim; Andy Russel Mojoli</i>                                     | 292 | <b>A Preliminary Assessment on Avian Community in the Urban Forest of Universiti Malaysia Sabah</b>                         |
| <i>Mellinda Jenuit; Vun Vun Hiew; Haselamirrah Mohd Akhir; Peik Lin Teoh</i> | 298 | <b>Cryopreservation Effect on the Expression of DNA Methylation Genes in Wharton's Jelly-Derived Mesenchymal Stem Cells</b> |
| <i>Aldrin Felix Simbas; Clarence M. Ongkudon</i>                             | 304 | <b>Parametric Studies of Polymethacrylate-based Monolith Fabrication</b>  |
| <i>Nurfaezah Ibadat; Clarence M Ongkudon; Mailin Misson</i>                  | 310 | <b>Production Polystyrene Micro-Emulsion as Template for Monolith Synthesis</b>   |
| <i>Yu Feng Tan; Kang Chiang Liew</i>   | 316 | <b>Morphological Behavior of Densified Low-Density Plantation Wood Species: A Preliminary Study</b>                         |
| <i>Peirong Han; Carolyn Payus; Leong Wan Vun</i>                             | 322 | <b>Concentration of Cd, Cr, Cu, Pb and Zn in Water During Southwest Monsoon in Salut-Mengkabong Lagoon, Tuaran, Sabah</b>   |