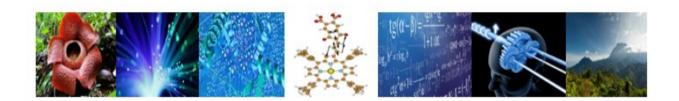
TRANSACTIONS ON SCIENCE AND TECHNOLOGY



Volume 6 Issue 2 June 2019



Transactions on Science and Technology

ISSN: 2289-8786

Editors-in-Chief

Jedol Dayou Khim

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 **Asmahani Awang** *Energy, Vibration and Sound Research Group (e-VIBS),*

Faculty of Science and Natural Resources, Universiti Malaysia Sabah, Kota Kinabalu, Sabah, Malaysia. asmahani awang[at]ums.edu.my

Editorial Board

Aini Janteng

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

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. Coswald Stephen Sipaut @ Mohd Nasri

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

Ismail Jusoh

Faculty of Resource Science and Technology, Universiti Malaysia Sarawak. Jidon Adrian Janaun

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

Jualang Azlan Gansau

Biotechnology Programme, Faculty of Science and Natural Resources, Universiti Malaysia Sabah. Ko Ying Hao

Department of Mechanical Engineering, Faculty of Engineering and Built Environment, Tunku Abdul Rahman University College.

Leong Wan Vun

Environmental Science Programme, Faculty of Science and Natural Resources, Universiti Malaysia Sabah. Mohd Kamel Wan Ibrahim

Mechanical Engineering Programme, Faculty of Engineering, Universiti Malaysia Sabah.

Noumie Surugau

Industrial Chemistry Programme, Faculty of Science and Natural Resources, Universiti Malaysia Sabah. Ping Chin Lee

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

Rachel Fran Mansa

Chemical Engineering Programme, Faculty of Engineering, Universiti Malaysia Sabah. Raseetha Vani Siva Manikam

Faculty of Applied Sciences, Universiti Teknologi MARA Shah Alam.

Sebastian Dayou

School of Engineering & Technology, University College of Technology Sarawak. Thomas Moh Shan Yau

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 Cesar G. Demayo

Universiti Malaysia Sabah, Sabah, Malaysia

Mindanao State University-Iligan Institute of Technology, Philippines

Francisco Nuñez De Caceres

Mariam Gaidamashvili

Universidad Autonoma del Estado de Hidalgo, Mexico

Iv. Javakhishvili Tbilisi State University, Georgia

Patricia Anthony

Sa-Ouk Kang

Lincoln University, New Zealand

Seoul National University, South Korea

Associate Editor

Jackson Chang (MSc), Malaysia

Associate Editors (Special Issue)

Arnnyitte Alexander (MSc) Syahriel Abdullah (MSc)

Malaysia Malaysia

Website Manager

Kimberly Nicola Jiun, Malaysia

http://tost.unise.org/

Volume 6, Issue 2 (June 2019) Table of Contents

Full articles

Yoshizumi Nakagawa; Minoru Sano; Susumu Segawa	135	Effect of Water Temperature on Specific Gravity of North Pacific Giant Octopus Enteroctopus dofleini Paralarvae
Dedek Haryadi; Hadi Hendra; Manjit Singh Sidhu; Tumpal Panjaitan; Khim Phin Chong	141	The First Report on Basal Stem Rot Disease Causal Pathogen in Asian Agri Group, North Sumatra, Indonesia

Review Articles

Chen-Chong Chung; Jidon Janaun;	150	A Review on Enhanced Oil Recovery Methods
Abdul Karim Mirasa; Abu Zahrim Yaser;		and Techniques in Different Reservoirs Rock
Ravindra Pogaku		Types, Conditions and Its simulation