

Volume 2 No 1
June 2015

TRANSACTIONS on SCIENCE AND TECHNOLOGY



Editorial Board

Editor in Chief

Jedol Dayou (PhD)

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

Faculty of Science and Natural Resources, Universiti Malaysia Sabah.

E-mail: jed@ums.edu.my

Managing Editor

Khim Phin Chong (PhD)

Sustainable Palm Oil Research Unit (SPOR)

Faculty of Science and Natural Resources, Universiti Malaysia Sabah.

E-mail: chongkp@ums.edu.my

Editorial Board

Coswald Stephen Sipaut @ Mohd Nasri, PhD (Universiti Malaysia Sabah)

Chong Mun Ho, PhD (Universiti Malaysia Sabah)

Ping Chin Lee, PhD (Universiti Malaysia Sabah)

Noumie Surugau, PhD (Universiti Malaysia Sabah)

Rachel Fran Mansa, PhD (Universiti Malaysia Sabah)

Leong Wan Vun, PhD (Universiti Malaysia Sabah)

Mohd Kamel Wan Ibrahim, PhD (Universiti Malaysia Sabah)

International Editorial Board

Baba Musta, PhD (Malaysia)

Cesar G. Demayo, PhD (Philippines)

Francisco Nuñez De Caceres, PhD (Mexico)

Mariam Gaidamashvili, PhD (Georgia)

Patricia Anthony, PhD (New Zealand)

Associate Editors

Fuei Pien Chee, PhD (Malaysia)

Jackson Chang, MSc (Malaysia)

Guest Editor

Fauziah Sulaiman, PhD (Malaysia)

Rosmalina Abdul Rashid, PhD (Malaysia)

Maria Lourdes T. Lardizabal, PhD (Malaysia)

Table of Contents

1	Variations in Suspended Sediment Yield and Dynamics in Catchments of Differing Land-use in Sabah	1
	<i>Anand NAINAR, Kawi BIDIN, Rory P. D. WALSH, Robert M. EWERS & Glen REYNOLDS</i>	
2	Mini Review on Efficient Data Structure For 3D Modelling of Polygonal Mesh	20
	<i>Nurhamiezrah MIDIN & Abdullah BADE</i>	
3	Fractionation and Crystallization of Isotactic Polypropylenes Prepared Using Homogenous Metallocene Catalyst	33
	<i>Ismael AMER, Touhami MOKRAN & Albert VAN REENEN</i>	
4	An experimental study on Evacuated tube solar collector using nanofluids	42
	<i>Sabiha Monny AKTER, Saidur RAHMAN & Saad MEKHILEF</i>	
5	Removal of Causative Factors for Sick Building Syndrome Using Air Plants	50
	<i>Yasuhiko KOIKE & Yozo MITARAI</i>	
6	Rapid Detection of Allura Red (E129) Based on Chitosan/Nanoparticles/MWCNTs Modified Gold Electrode in Food Products	56
	<i>Rovina KOBUN, Shafiquzzaman SIDDIQUEE & Sharifudin Md SHAARANI</i>	
7	Copper toxic stress on Aloe barbadensis and its antioxidant response	65
	<i>Ghim Hock ONG, Mustafa Omer AYA OMER & Subramaniam GEETHA</i>	
8	Dust fall in the residential air environment of northern part of Thailand: Chiang Mai, Lampang and Phitsanulok province	74
	<i>Pajaree THONGSANIT & Witchaya IMKRAJANG</i>	