

Contents

- 1-10 [Ionic Conduction Study of 2-Hydroxyethyl Cellulose Doped with Dodecyltrimethyl Ammonium Bromide Solid Biopolymer Electrolytes](#)
NUR YASMIN ABU BAKAR AND MOHD IKMAR NIZAM MOHAMAD ISA
- 11-25 [Experimental Investigation of Different Characteristics of Biodiesel Derived from Cooking Oil Waste and and Pure Sunflower Oil](#)
MD ZAVED HOSSAIN KHAN, MOST AFROZA KHATUN, MD AHASANNUZZAMAN BHUIYAN AND POBITRA KUMAR HALDER
- 27-37 [Improving the Performance of Ann-Arima Models for Predicting Water Quality at the Kuala Terengganu Offshore, Terengganu, Malaysia](#)
MUHAMAD SAFIHH LOLA, NURUL HILA ZAINUDDIN, MOHD TAJUDDIN ABDULLAH, VIGNESWARY PONNIAH, MOHD NOOR AFIQ RAMLEE, RAZAK ZAKARIYA, MD SUFFIAN IDRIS AND IDHAM KHALILI
- 39-48 [Correlation between Benthic Macroinvertebrates Distribution and Substrate Composition in Selected Recreational Rivers in Kelantan, Malaysia](#)
ATHIRAH ABAS, AWENG EH RAK, SHARIFAH AISYAH SYED OMAR AND JAYARAJ VIJAYA KUMARAN
- 49-65 [Residual Aluminium in Drinking Water Supplies in Relation to Peatland Catchment Areas in Mukah, Sarawak](#)
MILDRED EKLIP AND TECK-YEE LING
- 67-76 [Water Quality Monitoring Using Aquatic Insects as Biological Indicators in Three Streams of Terengganu](#)
WAHIZATUL AFZAN AZMI, NUR HIDAYAH HUSSIN AND NAKISAH MAT AMIN
- 77-92 [Hydrogeochemical Evolution in a Tropical Cave System; Batu Caves, Peninsular Malaysia](#)
NOR BAKHIAH BAHARIM, ROS FATIAH MUHAMMAD AND ISMAIL YUSOFF
- 93-104 [Impact of Cyclone Sidr on Rural Livelihood using Participatory Rural Appraisal \(PRA\) Tools: A Case Study of a Coastal Unit in Bangladesh](#)
TOIABA BINTA TAHER AND SYED HAFIZUR RAHMAN

- 105-118 [Annotated Checklist of Avifauna in Pulau Bidong, Malaysia](#)
ABDULMAULA HAMZA, GERTRUDE DAVID, ANUAR
MCAFEE AND MOHD TAJUDDIN ABDULLAH
- 119-125 [Comparison of the Impacts of Livestock and Wildlife Grazing on Some Soil
Nutrients in an Iranian Semi-arid Rangeland](#)
DAVOUD AKHZARI, SHAHAB BAHADORIFAR AND
SHAHRIAR MAHDAVI
- 127-131 [Environmental Parameters in Successful Edible Bird Nest Swiftlet Houses in
Terengganu](#)
MUNIRAH ABD RAHMAN, PUSPA LIZA GHAZALI AND CHONG
JU LIAN
- 133-146 [A Comparison of the Effects of Preparation Variables on Activity of
Composite Anthill-Chicken Eggshell Catalyst for Biodiesel Production](#)
ADEYINKA SIKIRU YUSUFF, AFEEZ OLAYINKA GBADAMOSI,
OLALEKAN DAVID ADENIYI, MOSES ADEREMI OLUTOYE AND
UDUAK GEORGE AKPAN
- 147-157 [Characterisation of Crude and Partially Purified Peptides with
Antimicrobial Activity from the Skin of Bornean Frogs](#)
MARDHIAH MOHD SHAHABUDDIN, MUNA SABRI, RAMLAH
ZAINUDDIN AND AHMAD HATA RASIT
- 159-167 [Effects of Guava, *Psidium guajava* Leave Extract Coating on Giant
Freshwater Prawn, *Macrobrachium rosenbergii* during Chilled Storage](#)
NURUL ULFAH KARIM, IZZAH RAKINAH ABD RAHMAN,
MOHAMAD KHAIRI MOHD ZAINOL, NURUL AFZA KARIM AND
MHD IKHWANUDDIN
- 169-180 [Sunda Pangolin Protection and Trade-Related Crimes: Assessing Local
Community Knowledge in Kedah, Malaysia](#)
MARIANI ARIFFIN AND MOHAMMAD BURHAN CHE NAN
- 181-187 [Presence of *Bacillus cereus* from Local Unhusked \(Rough\) Rice Samples in
Sarawak, Malaysia](#)
LESLEY MAURICE BILUNG, FEVEN TEFAMARIAM, ROWENA
ANDRIESSE, FREDDY YEO KUOK SAN, CHONG YEE LING AND
AHMAD SYATIR TAHAR
- 189-199 [Public Perception towards Sustainable Mangrove Forest Programs in
Malaysia](#)
NURSHAHIRAH WAHID MARICAN, NORLILA MOHD NAWI,
NITTY HIRAWATY KAMARULZAMAN AND ZAITON SAMDIN

- 201-209 [Social Capital and Sustainable Livelihood Strategies in Downstream Area of Bengawan Solo River, East Java, Indonesia](#)
YAYUK YULIATI AND RIYANTI ISASKARG
- 211-227 [Social Waste Management in Shah Alam City Residential Area](#)
NOR EEDA ALI, HO CHIN SIONG, KASYPI MOKHTAR, NURAIN
MOHD TALMIZI AND ALIA ABDULLAH SALEH
- 229-236 [A Study on Entrepreneurial Intention and Personality among Female Entrepreneurs in Kuala Nerus, Terengganu, Malaysia](#)
KHATIJAH OMAR, MUHAMMAD ABI SOFIAN ABDUL HALIM,
MARHANA MOHAMED ANUAR, NIK HAZIMAH NIK MAT,
AZLINZURAINI AHMAD AND ZALEHA MOHAMAD

SHORT COMMUNICATION

- 237-241 [New Distribution Record of *Pelophryne api* Dring, 1983 \(Anura: Bufonidae\) from Sarawak, East Malaysia](#)
RAMLAH ZAINUDDIN, NOORAINA ATIRA ALAUDIN, NUR
AMIRAH MD SUNGIF, MARLY MATLEEN AUGUSTINE AGOH,
ELVY QUATRIN ANAK DEKA AND NAJMI NAIM