

Contents

---

- 1 [Letter from the Chief Editor](#)  
MOHD AZMI AMBAK  
*-Chief Editor Journal of Sustainability Science and Management*
- 2 – 9 [Taxonomical Identity and Polysaccharide Produced by \*Bacillus\* species Isolated from Old Aged Medicinal Decoctions](#)  
TEVAN RAMANATHAN, AZIZ AHMAD, AHMAD SHAMSUDDIN  
AHMAD AND MURUGAN KALIMUTHO
- 10 – 18 [Reproductive Cycle of the Razor Clam \*Solen regularis\* Dunker, 1862 in the Western Part of Sarawak, Malaysia, based on Gonadal Condition Index](#)  
A.M.R. RINYOD AND S.A.K.A RAHIM
- 19 – 27 [Antibiogram and Plasmid Profiling from \*Edwardsiella tarda\* Isolated from Freshwater Fish in East Coast Malaysia](#)  
LEE SEONG WEI, NAJIAH MUSA, CHUAH TSE SENG, NOOR AZHAR  
MOHD. SHAZILI, WENDY WEE, NADIRAH MUSA AND MOHD  
EFFENDY ABD. WAHID
- 28 – 35 [Crossbreeding of \*Pangasianodon hypophthalmus\* \(Sauvage, 1878\) and \*Pangasius nasutus\* \(Bleeker, 1863\) and Their Larval Development](#)  
ANUAR HASSAN, MOHD. AZMI AMBAK AND AGUS PUTRA A.  
SAMAD
- 36 – 43 [Proteins Expression in \*Acanthamoeba castellanii\* after Exposure to Ammonium Chloride: A Laboratory Study](#)  
NAKISAH MAT AMIN, THUNISHAA VEERAPPEN AND SITI FAEZAH  
SIDEK
- 44 – 50 [Numerical Simulation Dynamical Model of Three-Species Food Chain with Lotka-Volterra Linear Funcional Response](#)  
M. MAMAT, W. S MADA SANJAYA, Z. SALLEH AND M. F AHMAD
- 51 – 59 [Microstructure and Life Cycle of \*Metisa Plana\* Walker \(Lepidoptera: Psychidae\)](#)  
CHUA CHIN KOK, OOI KOK ENG, ABDUL RAHMAN RAZAK AND  
ADZEMI MAT ARSHAD
- 60 – 68 [Interactive Effect of Ammonia and Nitrate on the Nitrogen Uptake by \*Nanochloropsis\* sp.](#)  
Y. S. HIL, C. L. SOO, T. S. CHUAH, A. MOHD-AZMI AND A. B. ANOL-  
MUNAFI

- 69 – 78 [Deterministic Prediction of Corroding Pipeline Remaining Strength in Marine Environment using DNV RP – F101 \(Part A\)](#)  
NORHAZILAN MD NOOR\*, NOR APAZIAH NOR OZMAN AND NORDIN YAHAYA
- 79 – 88 [Time-series Analysis of Ground-level Ozone in Muda Irrigation Scheme Area \(MADA\), Kedah](#)  
MARZUKI ISMAIL
- 89 – 97 [Fish Community in Pengkalan Gawi – Pulau Dula Section of Kenyir Lake, Terengganu, Malaysia](#)  
KAMARUDDIN, I. S., A. S. MUSTAFA KAMAL, A. CHRISTIANUS. S. K. DAUD AND L. YU ABIT
- 98 – 106 [Sources of Polycyclic Aromatic Hydrocarbons in Mangrove Sediments of Pulau Cik Wan Dagang, Kemaman](#)  
NORHAYATI MOHD TAHIR, MUHAMMAD FAIS FADZIL, JURIFFAH ARIFFIN, HAIRUNAZIFAH MAAROP AND ABDUL KHALIK HJ WOOD
- 107 – 117 [Simulation-based Impact Assessment of Offshore Wind Farms on Seabirds](#)  
B. PÈREZ LAPEÑA, K. M. WINJBERG, S. J. M. H. HULSCHER AND A. STEIN
- 118 – 125 [Hazard-Rating Assessment of Roadside Trees at UPM Using Geospatial Tool](#)  
JONATHAN TENG YI CHUON, ALIAS MOHD. SOOD, AMAT RAMSA YAMAN, ISMAIL ADNAN ABDUL MALEK AND KASAWANI IBRAHIM
- 126 – 138 [Emerging Ballast Water Treatment Technologies: A Review](#)  
RAJOO BALAJI AND OMAR B YAAKOB
- 139 – 147 [Determination of Weight for Landfill-siting Criteria under Conflicting Bifuzzy Preference Relation](#)  
LAZIM ABDULLAH, NUR SYIBRAH NAIM AND ABD FATAH WAHAB
- 148 – 155 [Composition and Distribution of Aquatic Insect Communities in Relation to Water Quality in Two Freshwater Streams of Hulu Terengganu, Terengganu](#)  
WAHIZATUL, A. A., LONG, S. H. AND AHMAD, A.
- 156 – 168 [Technical Efficiency for Rubber Smallholders under RISDA’S Supervisory System using Stochastic Frontier Analysis](#)  
NIK HASHIM NIK MUSTAPHA
- 169 – 178 [Differences in Depression, Anxiety and Stress between Low-and High-Achieving Students](#)  
MD ARIS SAFREE MD YASSIN AND MARIAM ADAWIAH DZULKIFLI