### Contents

1. **Letter from the Chief Editor**  
   MOHD AZMI AMBAK  
   -Chief Editor Journal of Sustainability Science and Management

2. **Taxonomical Identity and Polysaccharide Produced by Bacillus species Isolated from Old Aged Medicinal Decoctions**  
   TEVAN RAMANATHAN, AZIZ AHMAD, AHMAD SHAMSUDDIN AHMAD AND MURUGAN KALIMUTHO

3. **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

4. **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

5. **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

6. **Proteins Expression in Acanthamoeba castellanii after Exposure to Ammonium Chloride: A Laboratory Study**  
   NAKISAH MAT AMIN, THUNISHAA VEERAPPEN AND SITI FAEZAH SIDEK

7. **Numerical Simulation Dynamical Model of Three-Species Food Chain with Lotka-Volterra Linear Functional Response**  
   M. MAMAT, W. S MADA SANJAYA, Z. SALLEH AND M. F AHMAD

8. **Microstructure and Life Cycle of Metisa Plana Walker (Lepidoptera: Psychidae)**  
   CHUA CHIN KOK, OOI KOK ENG, ABDUL RAHMAN RAZAK AND ADZEMI MAT ARSHAD

9. **Interactive Effect of Ammonia and Nitrate on the Nitrogen Uptake by Nanochloropsis sp.**  
   Y. S. HII, C. L. SOO, T. S. CHUAH, A. MOHD-AZMI AND A. B. ANOL-MUNAFI
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

Time-series Analysis of Ground-level Ozone in Muda Irrigation Scheme Area (MADA), Kedah
MARZUKI ISMAIL

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

Sources of Polycyclic Aromatic Hydrocarbons in Mangrove Sediments of Pulau Cik Wan Dagang, Kemaman
NORHAYATI MOHD TAHIR, MUHAMMAD FAIS FADZIL, JURIFFAH ARIFFIN, HAIRUNAZIFAHA MAAROP AND ABDUL KHALIK HJ WOOD

Simulation-based Impact Assessment of Offshore Wind Farms on Seabirds
B. PÉREZ LAPIENA, K. M. WINJBERG, S. J. M. H. HULSCHER AND A. STEIN

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

Emerging Ballast Water Treatment Technologies: A Review
RAJOO BALAJI AND OMAR B YAAKOB

Determination of Weight for Landfill-siting Criteria under Conflicting Bifuzzy Preference Relation
LAZIM ABDULLAH, NUR SYIBRAH NAIM AND ABD FATAH WAHAB

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.

Technical Efficiency for Rubber Smallholders under RISDA’S Supervisory System using Stochastic Frontier Analysis
NIK HASHIM NIK MUSTAPHA

Differences in Depression, Anxiety and Stress between Low-and High-Achieving Students
MD ARIS SAFREE MD YASSIN AND MARIAM ADAWIAH DZULKIFLI