

# Journal of Medical and Bioengineering

## CONTENTS

---

### Volume 3, Number 4, December 2014

- Effect of Physical and Human Factors on Temporal and Spatial Variations of Dissolved Oxygen in Kuwait Bay .....231  
*Ahmed AlHasem and Huda AlAzmi*
- An Optimised High-Salt CTAB Protocol for Both DNA and RNA Isolation from Succulent Stems of *Hylocereus* sp. ....236  
*Li-Min Wong, Santha Silvaraj, and Lee-Quen Phoon*
- Ammoniacal Nitrogen Removal in Semiconductor Wastewater by Sequence Batch Reactor Using Bacteria Inoculum from WormTea.....241  
*Nur Farehah Z. A., Norli I., Siti Norfariha M. N., Siti Aisyah I., and Renuka R.*
- Fe-Ni-Cr Crude Alloy Production from Direct Smelting of Chromite and Laterite Ores .....245  
*Erlinda O. Yape*
- Aqueous Humor Natural Convection of the Human Eye induced by Electromagnetic Fields: In the Supine Position.....251  
*Teerapot Wessapan and Phadungsak Rattanadecho*
- Prioritizing Drivers of Sustainable Competitive Advantages in Green Supply Chain Management Based on Fuzzy AHP .....259  
*Nisakorn Somsuk*
- Analysis of China's Water Shortage Model and Relevant Strategies in the Next 20 Years .....267  
*Zhaoxi Liu, Bo Wang, Kai Xu, Hongjun Li, and Quandong Feng*
- Landscape Degradation of River Island Majuli, Assam (India) due to Flood and Erosion by River Brahmaputra and Its Restoration.....272  
*Alee Sarma*
- Environmental Geochemical Mapping on Distribution of Metal Contamination in Topsoils Perlis, Malaysia .....277  
*Siti Norbaya Mat Ripin, Sharizal Hasan, and MohdLias Kamal*
- Exposure to PM10 and NO<sub>2</sub> and Association with Respiratory Health among Primary School Children Living Near Petrochemical Industry Area at Kertih, Terengganu .....282  
*Ayuni N. A., Juliana J., and Ibrahim M. H*
- Industrial By-Products: Stress Factors or Nutrients?.....288  
*Brigitta T áh, G éza L ászl óNagy, Szilvia Veres, L ászl óNagy, and L ászl óL évai*
- Immobilization of Hg (II) to Hg (0) on Reducing Dehydrated Carbons .....292  
*El-Said I. El-Shafey*

Bioconversion of Oil Palm Trunks Sap to Bioethanol by Different Strains and Co-Cultures at Different Temperatures .....	297
<i>A. H. Norhazimah and Faizal C. K. M.</i>	
Synthesis of Disulfonato-Silica Hybrid from Rice Husk Ash .....	301
<i>C. Azmiyawati, Nuryono, and Narsito</i>	
Characterization of Functionalized Low Density Polyethylene/Polyaniline Nano Fiber Composite.....	306
<i>M. R. Kazimi, Tahir Shah, Shima B. Jamari, and Che Ku M. Faizal</i>	
A Knapsack Model Based Approach to Measure the Carbon Reduction Space of Industry Sector: A Case Study of Shenzhen, China.....	311
<i>Mengjin Jiao, Lili Xue, Xiaoming Ma, and Liyu Chen</i>	
Groundwater Development for Localized Water Supply in South Africa.....	315
<i>Ola Busari and Jeremiah Mutamba</i>	