

# International Journal of Environmental Science and Development

## CONTENTS

---

---

### Volume 6, Number 8, August 2015

#### • Environmental Analysis

Numerical Simulation of Fertilizers Movement in Sand and Controlling Transport Process via Vertical Barriers .....559

*Mohamed Galal A. Eltarabily and Abdelazim M. Negm*

Elemental and Chemical Analysis of PM<sub>10</sub> and PM<sub>2.5</sub> Indoor and Outdoor Pollutants in the UAE.....566

*Nasser M. Hamdan, Hussain Alawadhi, and Najeh Jisrawi*

A Spectroscopic Approach to Assess Potentially Toxic Elements of Reclaimed Dumpsites in the Czech Republic.....571

*A. Gholizadeh, L. Borůvka, and M. M. Saberioon*

The Interaction between Air Quality and Meteorological Factors in an Arid Environment of Makkah, Saudi Arabia.....576

*Turki M. Habeebullah, Said Munir, Abdel Hameed A. A. Awad, Essam A. Morsy, Abdulaziz R. Seroji, and Atif M. F. Mohammed*

Development of Noise Maps of Great City of Riyadh by Using Lima.....581

*Khalid A. Alsaif and Mosaad A. Foda*

#### • Wastewater Treatment

Use of Electro-Chemical Process for Waste Sludge Generated from Moving Bed Bioreactor.....585

*Shohreh Azizi and Nomathamsaqa P. Sithebe*

A Hierarchically-Nano Structured TiO<sub>2</sub>-Carbon Nanofibrous Membrane for Concurrent Gravity-Driven Oil-Water Separation.....590

*Ming Hang Tai, Peng Gao, Benny Yong Liang Tan, Darren D. Sun, and James O. Leckie*

Management, Treatment and Disposal of Wastewater (Sewage) Plan at Kuwait Oil Company (KOC).....596

*Khulood Yousef, Saud Al-Mutairy, and Fouzy Haitham*

Magnetic Zeolite-Polymer Composite as an Adsorbent for the Remediation of Wastewaters Containing Vanadium.....602

*Nomcebo H. Mthombeni, Sandrine Mbakop, and Maurice S. Onyango*

#### • Solid Waste Management

Mixed Plastic Wastes Pyrolysis in a Fluidized Bed Reactor for Potential Diesel Production.....606

*Aida Isma M. I., Salmiaton A., and Nur Dinie K. B.*

Speed, Stability and Maintenance of New and Reusable Computer to the User: A Comparative Study.....610

*Norazli Othman, Samira Albaty Kamaruddin, Nor'azizi Othman, and Abdul Moeis Abdul Shukor*

• **Environmental Ecology and Toxicology**

Diversity of Gastropods in the Selected Rivers and Lakes in Bukidnon.....	615
<i>Gloria L. Galan, Marilou M. Ediza, Marife S. Servasques, and Heidi C. Porquis</i>	
Ecological Impact behind Mega Project Development.....	620
<i>K. Swangjang</i>	
Shell Band Pattern of Golden Apple Snail ( <i>Pomacea Canaliculata</i> , Lamarck) in Selected Aquatic Habitats .....	625
<i>Gloria L. Galan, Heidi C. Porquis, and Mae Ann R. Bulasa</i>	
Health Risk Survey for Domestic Waste Management Agency Workers: Case Study on Kota Bharu Municipal Council (MPKB), Kelantan, Malaysia.....	629
<i>Mohd Shah Hafizhin Aminuddin and Haliza Abdul Rahman</i>	