

## TABLE OF CONTENTS

Volume 4 Number 8

August 2013

### **Improving Municipal Solid Waste Land Filling Disposal Process: Experiments with a Laboratory Scale Rotary Kiln**

J. F. Nzhou..... 753

### **Determination of Heavy Metals and Polycyclic Aromatic Hydrocarbons (PAH) Contents Using the Lichen *Dirinaria picta* in Universiti Kebangsaan Malaysia**

M. W. Samdudin, H. Azahar, A. Abas, Z. Zakaria..... 760

### **Decolourization and Mineralization of Aqueous Solution Containing C. I. Basic Blue 66 in the Presence of Titanium Dioxide**

A. Giwa, P. O. Nkeonye, K. A. Bello, E. G. Kolawole..... 766

### **Assessing the Effects of Solarization and Sodium Azide Amendments on Selected Soil Parameters, Enzyme Activities and Microbial Populations**

A. S. Kumi, V. Khan, R. O. Ankumah..... 772

### **Childhood Exposure to Air Pollution as a Potential Contributor of Chronic Non-Respiratory Inflammatory Disorders: A Longitudinal Prospective Cohort Study in Hamilton, Canada**

C. Barakat-Haddad, S. Elliott, D. Pengelly..... 779

### **Remediation of Heavy Metal (Cd, Cr, Cu, Co, and Ni) Ions from Kaolinite Clay Using Molecular Micelles Chelators and D-Optimum Experimental Design**

S. O. Fakayode, A. M. Taylor, M. McCoy, S. L. Owen, W. E. Stapleton, C. Grady, D. A. Pollard..... 789

### **Selected Heavy Metals in Water and Sediments and Their Bioconcentrations in Plant (*Polygonum pulchrum*) in Sosiani River, Uasin Gishu County, Kenya**

J. K. Jepkoech, G. M. Simiyu, M. Arusei..... 796

### **MEMRECS—A Sustainable View for Metal Recycling from Waste Printed Circuit Boards**

H.-L. Le, E. Yamasue, H. Okumura, K. N. Ishihara..... 803

### **The Evaluation of Municipal Landfill Sites in North of Iran through Comparing BC Guideline and Iran Legislation**

M. Yazdani, M. Monavari, G. A. Omrani, M. Shariat, M. Hosseini..... 811

### **Determination of Different Trace Heavy Metals in Ground Water of South West Bank/Palestine by ICP/MS**

H. Malassa, M. Al-Qutob, M. Al-Khatib, F. Al-Rimawi..... 818

### **High Contribution of Sea Salt Aerosols on Atmospheric Particles Measured at an Urban Tropical Location in Reunion Island**

C. Bhugwant, M. Bessafi, O. Favez, L. Chiappini, B. Sieja, E. Leoz-Garziandia..... 828

**Seasonal Variation of the Physicochemical Properties of Water Samples in Mahanadi Estuary, East Coast of India**

P. R. Dixit, B. Kar, P. Chattopadhyay, C. R. Panda.....843

**Rating Curve Estimation of Surface Water Quality Data Using LOADEST**

B. Jha, M. K. Jha.....849

**A $\beta$ -Like Peptide Displayed on Bacteriophage T7 Catalyzes Chromate and Uranyl Reduction**

H. J. Jin, C.-T. Lin, J. Y. Shang<sup>†</sup>, M. J. Wilkins, Y. B. Liu, W. Gong<sup>†</sup>, W. P. Xu, T. C. Squier, P. E. Long.....857

**Human Health Cost of Air Pollution in Kazakhstan**

U. Kenessariyev, A. Golub, M. Brody, A. Dosmukhametov, M. Amrin, A. Erzhanova, D. Kenessary.....869

---

The figure on the front cover is from the article published in Journal of Environmental Protection, 2013, Vol. 4, No. 8, pp. 811-817 by Mohadeseh Yazdani, *et al.*