

Table of Contents

Volume 8 Number 2

February 2016

Geospatial and Statistical Assessment of Groundwater Contamination Due to Landfill Leachate —A Case Study

J. Chonattu, K. Prabhakar, H. P. S. Pillai.....121

Inversion of Seawater Physical Properties Based on Allied Elastic Impedance

X. Q. Liu, H. S. Liu, J. Q. Zhu, J. Wei.....135

Comparison of Stochastic Models in Forecasting Monthly Streamflow in Rivers: A Case Study of River Nile and Its Tributaries

M. A. Elganiny, A. E. Eldwer.....143

Field Comparison of Soil Moisture Sensing Using Neutron Thermalization, Frequency Domain, Tensiometer, and Granular Matrix Sensor Devices: Relevance to Precision Irrigation

C. C. Shock, A. B. Pereira, E. B. G. Feibert, C. A. Shock, A. I. Akin, L. A. Unlenen.....154

Rain Variability and Population Growth to Explain Historical Levels of the Patzcuaro Lake in Mexico

I. Quintas, M. A. Gómez-Balandra, W. Vervoort.....168

A Heuristic Approach to Estimating Spatial Variability of Vertical Leakage in the Recharge Zone of the Gambier Basin Tertiary Confined Sand Aquifer, South Australia

N. Somaratne, J. Lawson, S. Mustafa.....183

Milpa or Forest. Development Crunch in the Most Marginalized Communities in the State of Hidalgo (Mexico)

T. Serrano, E. Galindo, T. Hernández.....201

Impact of Nitrate Consumption: Case Study of Punjab, India

A. Khajuria.....211

Assessment of Biomass Productivities of *Chlorella vulgaris* and *Scenedesmus obliquus* in Defined Media and Municipal Wastewater at Varying Concentration of Nitrogen

O. Fadeyi, K. Dzantor, E. Adeleke.....217

Optimal Irrigation Planning and Operation of Multi Objective Reservoir Using Fuzzy Logic

J. B. Gurav.....226

Environmental Impact Assessment of Selected Oil Production Facilities in Parts of Niger Delta, Nigeria

S. B. Olobaniyi, O. O. Omo-Irabor.....237

Operation of the EWS in the City of Matagalpa, Nicaragua

M. Díaz-López, F. J. Otárola.....243

Some Characteristics and Impacts of the Drought and Water Crisis in Southeastern Brazil during 2014 and 2015

C. A. Nobre, J. A. Marengo, M. E. Seluchi, L. A. Cuartas, L. M. Alves.....252

Effects of December 2014 Great Flood on the Physico-Chemical Properties of the Soils in the Kelantan Plains, Malaysia

J. Shamshuddin, Q. A. Panhwar, R. Othman, R. Ismail, H. Jol, M. A. Yusoff.....263