

Table of Contents

Volume 6 Number 1

January 2017

A Study on Importance and Role of Irrigation and Hydropower Plant Operation in Integrated River Basin Management

- C. Koç.....1

A Quantitative Assessment Framework for Water, Energy and Food Nexus

- A. Karnib.....11

Application of SWAT to Assess the Effects of Land Use Change in the Murchison Bay Catchment in Uganda

- L. A. Anaba, N. Banadda, N. Kiggundu, J. Wanyama, B. Engel, D. Moriasi.....24

Locating of Wind Power Farms by Analytic Hierarchy Process Method (Case Study: Sistan and Baluchistan Province, Iran)

- M. Asadi, M. Karami.....41

Two-Dimensional Modeling of the NAPL Dissolution in Porous Media: Heterogeneities Effects on the Large Scale Permeabilities and Mass Exchange Coefficient

- B. Mabiala, T. Nsongo, D. N. Tomodiatounga, C. Tathy, D. Nganga.....56

Effect of Reference Conveyance Parameter Usage on Real Time Canal Performance: The Case of Fentale Irrigation Scheme in Ethiopia

- M. Mohammed, A. Tefera.....79

Reuse of Ferric Sludge by Ferrous Sulfide in the Fenton Process for Nonylphenol Ethoxylates Wastewater Treatment

- R. Y. Zhou, W. Q. Zhang.....89

Modeling the Pressure Distribution and the Changes of Water Level around the Offshore Platforms Exposed to Waves, Using the Numerical Model of Flow 3D

- M. Rashidinasab, M. B. Askar.....97

Prediction of Salinity Variations in a Tidal Estuary Using Artificial Neural Network and Three-Dimensional Hydrodynamic Models

W. B. Chen, W. C. Liu, W. C. Huang, H. M. Liu.....107

“Water-Colouring” and Geomorphologic Features of the Marl Hills in Changing Quality of Soil and Water

L. Montaseri, A. Amirahmadi, M. Z. Asadi, M. Karami.....129