

Table of Contents

ICEST 2016 Environmental Science and Technology

Accuracy Assessment of Tropical Rainfall Measuring Mission (TRMM) Satellite Product over Tianshan Mountainous, Northwest of China <i>Chauncheng Zhao, Shuxia Yao, Jun Liu, Zhiguo Ren and Wenjiao Da</i>	1
Effect and Mechanism of Microorganism for Oil Degradation Enhanced by Magnetic Field <i>Ren Zhijun, Zhu Linan, Zhang Zhongxiang and Liu Qian</i>	8
Technical Features and Thermal Efficiencies of Various Flat Plate Solar Collectors <i>Turhan Koyuncu, Fuat Lule</i>	14
Carbon Effects of Different Land Use Patterns in China During 2004-2013 <i>Xiaokang Li, Xiaoming Wang and Guochao Zhao</i>	23
Human Health Risk Assessment of Pesticide Residues in Field Grown Yellow Peppers <i>Raluca Maria Hlihor, Manuela Olga Pogăcean, Brîndușa Mihaela Robu Sluser and Maria Gavrilescu</i>	32
Extraction of Nitrophenols Using Pseudo-emulsion Based Hollow Fiber Strip Dispersion <i>Gedela Ashok Kumar Naidu, Smita Gupta and Mousumi Chakraborty</i>	38
Scr of No with Nh ₃ over Fe ₂ o ₃ Particles at Low Temperature <i>Xiaobo Wang, Keting Gui, and Lin Dong</i>	44
Precipitation and Soil Quality in a Small Watershed <i>Erdem Ahmet Albek, Mine Albek, Burcu Şimşek Uygun, Meltem Uyar, Müge Taş and Latife Tatlıpinar</i>	52
Effect of Impoundment on Physico-chemical Properties of Water in the Flowing through stream, the Case of the Turawa Reservoir <i>Marek Ruman, Żaneta Polkowska and Bogdan Zygmunt</i>	57
Research on Landfill and Composting Guidelines in Kigali City, Rwanda Based on China's Experience <i>Josephine Isugi and Dongjie Niu</i>	62
Traffic Emitted PM ₁₀ Modelling Based on NaSch Model with Periodic Boundary <i>Wei Pan, Yu Xue and Wei-Zhen Lu</i>	69
The Impact of Road Blockage on Local Particulate Matter Multifractal Nature during the Hong Kong Protest <i>Wei-Zhen Lu, Wei Pan and Yu Xue</i>	75
Current Developments in Anaerobic Digestion of Food Waste Coupled with Combined Heat and Power Generation of Electricity <i>Saidu, I., Aminu, S. U., Aliyu, Y. and Garba, B.</i>	81
Using Sewage Sludge as Alternative Fuel and Raw Material to Produce Cement Clinker <i>ZhenzhouYang, Yingyi Zhang, Lili Liu, Xidong Wang and Zuotai Zhang</i>	88

Analysis of Air Pollution through Geographical Information Systems (GIS): Sampling of Kutahya Province in Turkey <i>Hatice Canan Gungor and Gulgun Ozkan</i>	94
The Strengthening of Geological Infrastructure, Research and Data Acquisition - Using Gis in Ivory Coast Gold Mines <i>Kouame Joseph Arthur Kouame, Fuxing Jiang, Yu Feng and Sitao Zhu</i>	103
ICWT 2016 Water Technology	
Performance Efficiency and Design Criteria of a Peat System for Treating Septic Tank Effluents <i>Mohd. Elmuntasir Ahmed and Abdallah Abusam</i>	109
The Pulse Electromagnetic Fields Effect on pH and Heavy Metal of Water <i>Novan Agung Mahardiono, Hanif Fakhrurroja, Veny Luvita, Sudaryati Cahyaningsih</i>	115
Adsorption of Humic Acid from Aqueous Solution onto PMMA Nanofiber: Kinetics Study <i>Muhammad Ali Zulfikar, Afdal Bahri, and Muhammad Nasir</i>	122
Removal of 2-Bromophenol by Advanced Oxidation Process with In-situ Liquid Ferrate(VI) <i>Fajar Budi Laksono and Il-Kyu Kim</i>	128
Multivariate Statistical Technique for the Evaluation of the Environmental Factors and the Cyanobacteria Population in Nakdong River, South Korea <i>Kyeong-deok Park and Il-kyu Kim</i>	136
Hydrogeology of Volcanic Characterization Based on Volcanic Facies, Ground Water Chemical Content, and Stable Isotope of Groundwater <i>Mohamad Sapari Dwi Hadian, Hendarmawan, Nana Sulaksana, and Fikri Noor Azy</i>	142
In Situ Arsenic Removal in Groundwater for Rural Communities by Iron Sorption and Arsenic Immobilization <i>Songqiao Chen and Solomon W. Leung</i>	149
Hydrologic Alteration in Watershed Using Flow Duration Curve, Case Study Upper Citarum Watershed, Indonesia <i>Hadi Nurcahyo, Indratmo Soekarno, Iwan K. Hadihardaja and Arief Rosyidie</i>	160
Author Index	167