

International Journal of Environmental Science and Development

CONTENTS

Volume 7, Number 6, June 2016

• Environmental Pollution Control

Anaerobic Digestion at 45°C for Sludge Treatment: A Trade-off between Performances and Capability in Producing Class a Biosolids.....399
Nuruol Syuhadaa Mohd, Baoqiang Li, Amber Hameed, Safia Ahmed, and Rumana Riffat

Coimmobilized Microalgae and Nitrifying Bacteria for Ammonium Removal.....406
Xue Bai, Haixin Gu, and Yulong Li

Assessment of Plant Materials Carbon Sequestration Rate for Horizontal and Vertical Landscape Design....410
Rashidi Othman and Siti Zubaidah Abu Kasim

The Influence of Soil Fungi on the Sorption of Cesium and Strontium in the Soil Organic Layer.....415
Prapamon Seeprasert, Minoru Yoneda, and Yoko Shimada

Comprehensive Assessment of Waste Water Pollution Rate in Almaty City, Kazakhstan.....420
Nailya A. Ibragimova, Oleg V. Esyrev, Zhanel R. Zhantuarova, and Zarema M. Biyasheva

A Review on Pilot-Scale Applications of Hydrothermal Treatment for Upgrading Waste Materials.....425
Chinnathan Areepasert, Dachao Ma, Patrick Prayoga, and Kunio Yoshikawa

Environmental Benefits from the Use of Vegetable Materials in Building Construction: Case Study in the South of Portugal.....431
P. Mendonça and F. Amorim

• Environmental Assessment

Atmospheric PM_{2.5} and Its Elemental Composition from near Source and Receptor Sites during Open Burning Season in Chiang Mai, Thailand.....436
Chanakarn Khamkaew, Somporn Chantara, and Wan Wiriyā

Evaluation of Natural Degradation of Persistent Organic Chemicals in Acid Sulfate Soils Distributed in a Coastal Area.....441
Junko Hara, Yasuhide Sakamoto, and Yoshishige Kawabe

Surveillance and Evaluation of the Infection Risk of Free-Living Amoebae — *Acanthamoeba* in Aquatic Environments.....445
Bing-Mu Hsu

Evaluation of the Developed Formaldehyde Detector.....449
Crystallynne D. Cortez and Jennifer L. Santos

Methane Emission and Quantification from Flooded and Non-Flooded Paddy Field at Kedah Malaysia.....453
P. K. Lo, W. Z. Lim, C. A. Ng, S. P. Tan, T. L. Chew, and C. Y. Chong

- **Environmental Meteorology**

An Overview of the Impacts of Global Climate Change on Farmland in Turkey.....458

Ayşe Özcan and Eric Strauss

An Analysis on the Temporal Patterns of Heat Island Effect in Kaohsiung.....464

Yu-Long Chao

- **Environmental Sustainability**

Drying Methods of Unutilized Cedar Logs for Use as a Source of Heating Fuel.....469

Van H. Hoang, K. Baba, Y. Kawabata, A. T. Saito, T. Wajima, and H. Nakagome

Sustainable Development and Exploitation of Semi-mountainous Area in Greece.....473

Vasileios C. Drosos, Sarantis Angelos G. Liampas, and Christos C. Stamatiou