

# International Journal of Environmental Science and Development

## CONTENTS

---

---

### Volume 8, Number 5, May 2017

#### • Energy Engineering and Management

Electrical Performance Prediction of Line-Focus Fresnel Concentrating PV Module Based on Matlab Algorithm  
.....312

*Mengya Zhang, Hongbo Li, Xiaojun Ye, and Ning Yang*

Analysis of High-Power LED Packages with Diamond and CNT Film.....318

*Cheng Yi Hsu and Yuli Lin*

Influence of Molecular Sieves Is Added in the Thermal Decomposition of Rice Husk.....323

*N. Morita, M. Nakayasu, Y. Kawabata, and H. Nakagome*

The Effect of Molecular Sieves on the Thermolysis of Cedar in a Tubular Furnace Reactor.....327

*M. Nakayasu, N. Morita, and H. Nakagome*

Factors Influencing Energy Intensity of Indian Cement Industry.....331

*Hena Oak*

#### • Waste Utilization

Effect of Seasons and Sources of Raw Water on the Properties of Water Treatment Residue Compacted Clay  
.....337

*Woottipong Prakongwittaya, Suwimol Asavapisit, Rungroj Piyapanuwat, and Teerawut Muhummud*

Utilization Ceramic Wastes from Porcelain Ceramic Industry in Lightweight Aggregate Concrete.....342

*Rungroj Piyaphanuwat and Suwimol Asavapisit*

#### • Environmental Pollution and Management

Influence of Dissolution on Fate of Nanoparticles in Freshwater.....347

*Yubing Pu, Bertrand Laratte, and Rodica Elena Ionescu*

Effect of Turbidity to the Clogging of the Subsurface Drain.....355

*Sunisa Smittakorn, Sasiphorn Sasinawaworakul, and Phattara Chutsikarinton*

Analyzing Strategic Factors Associated with Issuance of Environmental Liability Insurance Policy in  
Developing Countries using SWOT and QSPM.....359

*Mahnaz Mirza Ebrahim Tehrani*

Effect of Phosphate Solubilizing Bacteria on the Uptake of Heavy Metals by Corn Plants in a Long-Term  
Sewage Wastewater Treated Soil.....366

*Hashem Mahmoud Mohamed and Yaser Ayeshe Almaroai*

Assessment of Heavy Metals Pollution Status of the Pasture Grass around Katima Mulilo Municipal Solid  
Wastes Dumpsite, Namibia.....372

*J. Abah, P. Mashebe, and S. A. Onjefu*

• **GIS & Climatology**

Study on the Correlations between Surface Temperature and Near-Surface Air Temperature on Different Underlying Surfaces in City of Wuhan, China.....378

*Ailing Cai and Daohua Hu*

Rainfall Classification for Flood Prediction Using Meteorology Data of Kuching, Sarawak, Malaysia: Backpropagation vs Radial Basis Function Neural Network.....385

*Soo See Chai, Wei Keat Wong, and Kok Luong Goh*

• **Urban Planning and Economic development**

Does Low Income Rental Flat Contribute to the Sustainability of Surabaya?.....389

*Purwanita Setijanti, Happy Sumartinah, Johannes Krisdianto, and Susetyo Firmaningtyas*