

# International Journal of Environmental Science and Development

## CONTENTS

---

---

### Volume 6, Number 10, October 2015

#### • Environmental Meteorology

- Perspectives of Farmers and Experts in Ca Mau, Vietnam on the Effects of Climate Change on Shrimp Production.....718  
*A. V. Quach, F. Murray, and A. Morrison-Saunders*
- Drive Cycle Optimisation for Pollution Reduction.....727  
*Alghadhi M., A. Ball, L. E. Kollar, R. Mishra, and T. Asim*
- Communicating Climate Change: Channels, Sources, Contents and Outreach Strategies Based on China Survey .....732  
*Yujie Li*
- Understanding the Social Vulnerability of Coastal Communities.....737  
*Regina P. Junio, Aurora C. Gonzales, and Teresita G. Montaño*

#### • Environmental Assessment

- Investigating Leachate Transport at Landfill Site Using HYDRUS-1D.....741  
*A. H. M. Faisal Anwar and Larissa Chan Thien*
- Assessment of River Ecological Quality Using B-IBI (Dez River, Southwestern of Iran).....746  
*Maryam Mohammadi Rouzbahani, Nasrin Roghani zادهgan, and Amir Harirforoush*
- Feasibility Check for Carbon Emissions Estimation Method of G-TIES.....750  
*Hyejung Hu, Jongdae Baek, Guenhee Lee, and Kwansub Noh*

#### • Environmental Pollution Control

- A Kinetic Study of CO<sub>2</sub> Adsorption in Cellulose Acetate Membranes.....755  
*Sarah Hafeez, X. Fan, and Arshad Hussain*
- Reviewing New and Renewable Energy Applicable to Roads and Estimating Energy Intensity.....760  
*Guenhee Lee, Jongdae Baek, Hyejung Hu, and Duckyoong Ku*
- Bacterial “Masons” at Work with Wastes for Producing Eco-cement.....767  
*O. A. Cuzman, L. Wittig, F. J. Royo Abancóns, C. Herrera, N. R. Anastasi, and L. Sánchez Alonso*
- Estimating Carbon Reductions of Green Highway Technologies.....775  
*Jongdae Baek, Hyejung Hu, Guenhee Lee, and Geonho Kim*

#### • Environmental Ecology

- Ecology and Biodiversity of Proposed Residential Project at Village Waddhamna, Nagpur, Maharashtra.....781  
*Umesh Kulkarni, Manali Chalke, and Rochelle Lobo*

Best Practices for Healthy Estuaries.....	785
<i>Hassan Badkoobehi, Pradip Peter Dey, and Mohammad Amin</i>	
<b>• Environmental Resource Science</b>	
Classifying Urban Building from Road Based on Fuzzy Logic Rules and Climate Proofing Codes Using Quick Bird Imagery.....	790
<i>Li Hongfen, Hu Guangdao, Du Jun, and Wang Chao</i>	
Water Resource Management in a Hard Rock Terrain for Sustaining Irrigated Agriculture — A Case Study of Jharkhand, India.....	795
<i>S. P. Singh and R. A. K. Verma</i>	