

Table of Contents

| | |
|---|-----|
| Experimental Study on Start-up Process of Ceramic-Volcanic Rock BAF and Volcanic Rock-Ceramic BAF <i>Qian Fan, Qing Tian and Aiyin Chen</i> | 1 |
| The Increased Risk of Schistosomiasis Caused by High Frequency of Rainfall and Open-Defecation Habit in Indonesia <i>Helistia Yuniarni, Fildzah Auliaul Haq, and Fahmi Rasyidah</i> | 9 |
| Valorisation of Reutealis trisperma seed from Papua for the production of non-edible oil and protein-rich biomass <i>Robert Manurung, Muhammad Yusuf Abduh, Mochammad Hirza Nadia, Kardina Sari Wardhani, and Khalilan Lambangsari</i> | 17 |
| Air Crash Case Study: Icing Event over the Taiwan Strait <i>Nan Ching Yeh, Chia Rei Tao, Chih Hsien Wei, Ching Chin Lee</i> | 24 |
| Biomimicry Method for Implementing Natural Lighting Performance in Underground Buildings <i>Jungwon Lee, Junekyung Kang, Sanghoo Han and Taegyu Lee</i> | 32 |
| Development of Biomimicry Wind Louver Surface Design <i>Jaepil Choi, Donghwa Shon, Gensong Piao and Youngwoo Kim</i> | 39 |
| Gene Variation and Molecular Provenance Study on H9N2 Avian Influenza Virus <i>Jiani Wang and Tianyang Peng</i> | 47 |
| Screening of Various Parameters of Enterobacter aerogenes Batch Culture for Biohydrogen Production <i>Noor Illi Mohamad Puad, Nor Amira Mamat and Azlin Suhaida Azmi</i> | 55 |
| Waste to Energy: A look into community-based charcoal briquetting in the Philippines <i>Erees Queen B. Macabebe, Samuel Matthew G. Dumlao and Teresita R. Perez</i> | 62 |
| Using Evolutionary Algorithms in Layout Design of Sanitary Sewer Systems <i>LIN Shu, LIN Han, ZENG Fantang, FANG Huaiyang, HU Haofeng</i> | 69 |
| Rheological Properties and Crystallization Kinetics of Biodiesel during Gelation Process <i>Wuhua Chen, Yefei Wang, Mingchen Ding, Shenglong Shi and Baofeng Hou</i> | 75 |
| Prospect of Application of EM Technology in the Water Ditch of Paddy Field <i>Liu Lihuan and Wang Wenping</i> | 82 |
| Evaluation of Phytotoxicity of Fermented Goat Manure from two Different Located South Korea Farms <i>Ravindran Balasubramani, Won-mo Cho, Jung Kon Kim, Dong-Jun Lee, Dong-Yoon Choi</i> | 87 |
| Institutional Challenges in Resolving China's Wind Power Curtailment <i>Ekaterina Kuroedova and Minghui Jiang</i> | 92 |
| Ivory Coast: New Trends and Future Perspectives by Adopting the New Mining Code <i>Kouame Joseph Arthur Kouame, Fuxing Jiang, Yu Feng and Sitao Zhu</i> | 99 |
| The Concentration of Zinc, Lead, Cadmium and Copper in Raw Milk Production in | 107 |

| | |
|---|-----|
| Industrial Farms in Khorramabad, Iran <i>Mohsen Tizhoosh and Hamid R. Tizhoosh</i> | |
| Diurnal and Seasonal Variations of Alpine Wetland Ecosystem Respiration in Qinghai Lake <i>Shengkui Cao, Guangchao Cao, Qi Feng, Yangyang Lin, Guangzhao Han and Jing Zhang</i> | 114 |
| Daily Variations of Alpine Wetland Ecosystem Energy Fluxes in Qinghai Lake under Different Weather Conditions <i>Yangyang Lin, Shengkui Cao, Guangchao Cao, Jing Zhang, Guangzhao Han, Fangtao Wu and Shuyan Cheng</i> | 121 |
| Diurnal Variations of Alpine Wetland Ecosystem Gross Ecosystem Productivity in Qinghai Lake <i>Guangzhao Han, Shengkui Cao, Guangchao Cao, Jing Zhang, Yangyang Lin, Fangtao Wu and Shuyan Cheng</i> | 127 |
| Research on Sea Reclamation and Urban Sustainable Development <i>Keshi Chen and Yilei Shen</i> | 133 |
| The Primary Study of the Relationship between Environmental Factors and Dawn Song in Varied Tits <i>Tingting Zhao, Jingfeng Lin, Xiande Zhang, Dongmei Wan and Jiangxia Yin</i> | 138 |
| Implementation of Sustainable Development: the Impact of Social Sustainability <i>Tunmise, Ayodele T.T and Abimbola, Ogunlola A.A</i> | 145 |
| Support Vector Machine Technique for Wind Speed Prediction <i>Yusuf S. Turkan and Hacer Yumurtaci Aydoğmuş</i> | 152 |
| Impacts of Rainfall Event Pattern and Land-Use Change on River Basin Hydrological Response: a Case in Malaysia <i>Sina Alaghmand and Amin Talei</i> | 157 |
| Author Index | 165 |