

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 Taegyul 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
Application Status and Trends of Bolting-Shotcreting-Mesh Supporting Technology in	107

Underground Engineering and its Application in Ivory Coast <i>Kouame Joseph Arthur Kouame, Fuxing Jiang, Yu Feng and Sitao Zhu</i>	
The Concentration of Zinc, Lead, Cadmium and Copper in Raw Milk Production in Industrial Farms in Khorramabad, Iran <i>Mohsen Tizhoosh and Hamid R. Tizhoosh</i>	112
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>	119
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>	126
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>	132
Implementation of Sustainable Development: the Impact of Social Sustainability <i>Tunmise, Ayodele T.T and Abimbola, Ogunlola A.A</i>	138
Support Vector Machine Technique for Wind Speed Prediction <i>Yusuf S. Turkan and Hacer Yumurtacı Aydoğmuş</i>	145
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>	150
Author Index	157