

Contents

Assessing the Efficiency of Different Biogas Generators in Energy Production and Greenhouse Gas Emissions for Commercial Pig Farms in Cambodia	1
<i>Mengchhay Kim, Lyhour Hin, Chan Makara Mean, Nareth Nut, Lytour Lor and Gerald Hitzler</i>	
Evaluation of Agroecological Performance across Geographical Aspects and Agroecological Transition Levels in Battambang Province, Northwest Cambodia	8
<i>Theara Mao, Sorith Hou, Samnang Nguon, Lucie Reynaud, Sovann Pat, Rada Kong, Veng Sar, Guillemette Arminjon and Agnès Colbe</i>	
Design of a Two-Chamber Microbial Fuel Cell Without a Proton Exchange Membrane for Electricity Generation from Food Waste	15
<i>Narong Touch and Xiao Xiao</i>	
Guidelines for Pesticide Risk Management at the Community Level in Northeast Thailand	22
<i>Jarupong Prasopsuk, Watcharaporn Srisawangwong, Papatsorn Seelarak, Natchayathon Khattiyaphutthimet, Malisa Wetchayanon and Chuleemas Boonthai Iwai</i>	
Factors Influencing Agricultural Technology Adoptions by Vegetable Producers in Svay Rieng Province, Cambodia	28
<i>Hong Chhun, Chun Nimul, Buntong Borarin, Serey Mardy, Sao Vibol, Chan Bunyeth and Tum Saravuth</i>	
Influence of Copper and Cadmium Soil Pollution in Soybeans: Uptake, Growth, and Yield Pollution	36
<i>Choichi Sasaki, Chihiro Kato, Nobuhiko Matsuyama, Takeyuki Annaka and Kiichi Sasaki</i>	
Prospects of Nutmeg Industry Development in North Maluku, Indonesia	42
<i>Riskina Juwita and Siti Jahroh</i>	
Performance of a Covered Lagoon Digester on Wastewater Treatments Obtained from Mango Processing in Kampong Speu, Cambodia	49
<i>Chan Makara Mean, Lyhour Hin, Meng Chhay Kim, Buntha Kun, Dyna Theng, Nareth Nut and Lytour Lor</i>	
Local Awareness and Perception of Fertilizers: A Case Study in Anuradhapura District, Sri Lanka	57
<i>Arachchillage Buddhika Priyadarshani Bandara and Machito Mihara</i>	
Enhancing Soil Productivity for Sustainable Agriculture in Afghanistan: The Impact of Organic Amendments on Soil Water Holding Capacity and Grapevine Growth in Kabul, Afghanistan	65
<i>Yusufi Mohammad Mirwais and Machito Mihara</i>	
Personal Hygiene Practices: Impact of Hygiene Education on Preschool Students in Phnom Penh, Cambodia	72
<i>Yim Sophorlkun, Ly Phanna, Hor Rathna, Cho Sunduk, Chamruen Salyta and Kang Eunjin</i>	
Assessing Land Use Change and Causes of Deforestation in the Last 30 Years Using Satellite Images in the Municipality of Cobija, Pando Province, Bolivian Amazonia	81
<i>Juan Uego Perez and Machito Mihara</i>	
Long-Term Hydrologic Trend Analysis of the Diamphwe River Basin in Central Malawi	89
<i>Kenford A. B. Luweya, Lameck Fiwa, Ke Zhang, Sarvesh Maskey, Hiroko Gono and Hiromu Okazawa</i>	

Comparison of Macroinvertebrate Community Structures between Artificial Environments and Natural Streambeds in Mountain Streams	97
<i>Tetsuya Shimamura, Ryosuke Tsuji, Masaki Hamaguchi, Kyosuke Ino and Eri Nabeshima</i>	
Relationships between Soil Characteristics and Brewing Grape Quality in Katsunuma, Yamanashi Prefecture, Japan	106
<i>Ai Kurihara and Machito Mihara</i>	
Technical Efficiency of Rice Yield: Insights from IADA North-West Selangor, Malaysia	111
<i>Rika Terano, Nurul Nadia Ramli, Juwaidah Sharifuddin and Fazlin Ali</i>	
Factors Affecting the Use of Trichoderma by Rural Rice Farmers in Thailand	117
<i>Nareerut Seerasarn, Pruekjiga Kantajam and Parichard Tarbud</i>	
Changes in the Evaluation of Rural Landscape Before and After Farmland Improvement	123
<i>Yamaji Eiji and Nishiwaki Shoko</i>	
Impact of Street Tree Base Management on the Plants Colonizing Street Tree Bases in Western Japanese City	130
<i>Masaaki Furuno, Taizo Uchida, Xue Jun Huan, Daisuke Hayasaka and Teruo Arase</i>	
Recycling of Nitrogen and Phosphorus from Urban Wastewater Using Calcium-Silicate-Hydrate: A Case Study in Cambodia	144
<i>Somara Oum, Narong Touch and Machito Mihara</i>	
Assessment of Soil Quality in Paddy Fields at Dakawa Irrigation Scheme, Morogoro, Tanzania	152
<i>Jimmy Felix Macha and Machito Mihara</i>	
Tourist Perceptions and Willingness to Pay for Biodiversity Conservation at Nam Nao National Park, Thailand's Newest ASEAN Heritage Site	159
<i>Desvia Norita Angelina and Adcharaporn Pagdee</i>	
Mapping Land Use Shifts in Nepal's Protected Regions: Insights for Biodiversity and Resource Management	166
<i>Santa Pandit and Huang Wan Hui</i>	
Impact of Dietary and Self-sufficiency Changes on Nitrogen Load in the Kasumigaura Watershed	177
<i>Nina Hodalova and Yoshida Koshi</i>	
Quarter Century of International Development Cooperation at the Institute of Environmental Rehabilitation and Conservation: Achievements and Future Challenges to Education for Sustainable Development	185
<i>Machito Mihara, Takashi Ueno, Kumiko Kawabe, Keiko Aoki and Eiji Yamaji</i>	
Structure and Financial Characteristics of ERECON: Extension and Research Integration	192
<i>Takashi Ueno, Machito Mihara, Kumiko Kawabe, Eiji Yamaji, and Keiko Aoki</i>	