Contents

Examination of Optimal Search Method of Unknown Parameters in Tank Model by Monte Carlo Method		
	Koji Miwa, Kosuke Mukae, Hiromu Okazawa, Tadao Yamamoto, Takashi Inoue and Emmauel Okiria	
The Influence of Percolation Patterns of Rice Plants in Copper- and Cadmiu	on Copper and Cadmium Uptake, Growth and Yield am-polluted Stratified Paddy Fields Yoshito Toikawa, Choichi Sasaki, Chihiro Kato, Nobuhiko Matsuyama, Akira Endo, Jinhun Fan and Takeyuki Annaka	8
Development of a Simplified Water St A Case from Tamatsu District in Totto	torage Operation Curve at Irrigation Ponds for Flood Mitigation - ori, Japan- Ryoma Kuwae and Katsuyuki Shimizu	18
Evaluation of Drought Tolerance for I Chlorophyll content and Water Use E	Improved Rice Lines in terms of Yield, fficiency Aung Naing Oo, Kyaw Ngwe and Nang Ohn Myint	25
Evaluation of Water Shortages in Agri	icultural Water Use in the Sangker River Basin, Cambodia Chey Vanna, Tadao Yamamoto and Inoue Takashi	32
Influence of Meteorological Paramete on Greenhouse-grown Tomatoes	ers on Population of Whitefly, Bemisia tabaci	40
C	Kanchana Thinnabut, Duangrat Thongpak, Chutinan Choosai and Ubon Tangkawanit	
Effects of Crimping by Oggun Tractor Soil Strength, and Soil Moisture in Up	r-mounted Roller/crimper on Cover Crop Termination, pland Cambodia Lyhour Hin, Borarin Buntong, Manuel R. Reyes and Lyda Hok	45
Evaluating Changes in the State of Or based on Loss on Ignition Method	ganic Matter Present in Agricultural Soils	51
	Takahiko Nakamura and Narong Touch	
Vegetable Farming Practices in Camb in Kandal, Kampong Chhnang and Ba	odia: Case study of Small-scale Vegetable Farmers attambang Provinces Thira Pinn, Syden Reach, Borarin Buntong and Antonio Acedo Jr.	56
	Cattle Farming in Selected Areas of Myanmar Aye Aye Myint and Ei Ei Win Muang	62
Environmental Effects from Contamir to Crops and Animals	nation of Agricultural Soils via Spraying and Dust Application	68
w Crops and Annuals	Barry N Noller	
Effects of Different Percentages of So and Growth Performance of Goats	orghum Silage and Napier Grass on Nutrient Intake	74
	Ei Ei Win Muang and Khin Sa Mu	
Bending Strength and Toughness Prop	perties of Pavement Concrete Reinforced with Bamboo Fiber Eiji Matsuo, Hiroto Shimizu, Umi Iwanaga, Takenori Nagamatsu and Masaki Iida	80
	Emphasis on Mango Species in Selected Home Gardens	86
in Myanmar	Nyein Nyein Aye, Thanda Aung and Khin Thida Myint	

Impact of Forest Cover Change in Phn along Siem Reap River, Cambodia	nom Kulen National Park on Downstream Local Livelihoods	92
	Oum Somaly, Nophea Sasaki, Sok Kimchhin, Takuji W. Tsusaka, Sangam Shrestha and Neang Malyne	
Study of Farmers' use of Fertilizers an in Central Myanmar	d Methods of Application for Rice Cultivation	99
·	Swe Swe Mar, Naing Naing Moe, Kyaw Ngwe, and Kazuo Ando	
Factors Causing Deficits in Traditiona	l Rice Liquor Production in Rural Areas of Cambodia Mitsuru Hamano, Tetsuo Matsumoto and Kasumi Ito	105
Evaluation of Bacterial Contamination in case of the samples from Kampong	level in Pickles Sold at Wet Market in Cambodia - Part 1- Cham and Phnom Penh Shuki Muramatsu, Masataka Uchino, Yuri Tanikoka, Sokly Sorm, Daiki Oka, Yoshiki Muramatsu, Toru Nakajima, Motoe Sekido, Takahiko Nakamura, Chim Chay and Machito Mihara	114
	Levels in Pickles Sold at Wet Market in Cambodia -Part 2-Bacteria of 48 samples from Phnom Penh Shuki Muramatsu, Masataka Uchino, Sokly Sorm, Yuri Tanikoka, Daiki Oka, Yoshiki Muramatsu, Toru Nakajima, Motoe Sekido, Takahiko Nakamura, Chim Chay and Machito Mihara	120
Study of the Relationship between different Soil Properties in Agricultural Fields, Kyee Inn Village, Myanmar		
	Swe Swe Mar, Naing Naing Moe and Kyaw Ngwe	
Monitoring of Crop Plant Height Based on DSM Data Obtained by Small Unmanned Vehicle Considering the Difference of Plant Shapes		131
	Ka Chou, Osamu Tsuji, Masato Kimura, Toshimi Muneoka and Kenichi Hoshiyama	
Evaluation of Soil Ecosystem Health in Different Farming Systems by Observing Diversity of Soil Arthropods		137
	Marisol Terashima and Machito Mihara	
Risk Assessment of African Swine Fev	ver Virus in Pork in Phnom Penh, Cambodia Vouchsim Kong, Phea Sum, Pheary Mol, Karolin Chan, Socheata Ratha, Seavchou Laut and Vutey Venn	143
Ant Biodiversity under Different Fruit	Agro-ecosystem in Nam Phong Watershed, Thailand Duangrat Thongphak and Chuleemas Boonthai Iwai	149
Temporal and Spatial Distributions of Khon Kaen, Thailand	Soil Apparent Electrical Conductivity in Paddy Rice Fields,	155
	Katsuyuki Shimizu, Naho Nohara, Tadao Yamamoto,	
	Takashi Kume and Chuleemas Boonthai Iwai	
Reducing Nitrogen Emission during C	ow Manure Composting with Adding of Rice Husk Biochar Savesh Maskey and Machito Mihara	161
Socioeconomic Conditions and Percep by Smallholder Farmers in Myanmar	otion of Climate Change in Rice Varietal Selection	168
	Swe Mar Than and Thadar Htwe	
Estimation of Flooded Areas and Water	r Levels after the Heavy Rain in July 2018 in Okayama Takahiko Kubodera and Shumpei Hiramichi	174

Cover Crop Mixtures Effects on Soil Physical and Chemical Properties in Japan	
Toru Nakajima, Riku Nakamura, Ryuji Kawamura and Machito Mihara	
Does the Downward Trend of the Farming Population in Remote and Mountainous Areas increase the Average Farm Size? A Community Level Data Analysis in Tohoku Region, Japan Shikekazu Kawashima, Asato Mizuki and Fusao Ito	187
Empowerment of Rural Community and its Resilience: A Case Study of a Small-Scale Rural Community in a Mountainous Area in Japan Kako Inoue	