CONTENTS

Volume 5, Number 1, March 2018

Soil and Fertilizer
Assessing the Impact of Salinity on Resource Use Efficiency in Wheat Production in Central Iraq ....................... 1

Nitrogen Mineralization in Soil Amended with Compost and Urea as Affected by Plant Residues Supplements with Controlled C/N Ratios ........................................................................................................... 8
Nguyen Thanh Binh and Kazuto Shima

Evaluation of Composted Municipal Solid Waste for Agricultural Use in Vietnam ................................................. 14
Hoang Thi Quynh, Shima Kazuto, and Nguyen Thanh Binh

Agricultural Production and Management
Rice and Coconut for Food Resilience and Environmental Conservation in Indonesia ........................................... 19
Lina Warlina and Sri Listyarini

Evaluation of Dry Extract System Involving NIR Spectroscopy (DESIR) for Pesticide Residues Detection on Fresh Carabao Mango (Mangifera indica L. cv ‘Carabao’) Fruit .................................................................................................................... 24
Jula Mae E. Beseos, Kevin F. Yaptenc, Elda B. Esguerra, and Engelbert K. Peralta

Effects of Uniconazole-P and Paclobutrazol Application on the Growth and Flowering of Euryops Pectinatus Cass........................................................................................................................................ 31
Yasuhiko Koike, Ken-ichi Matsushima, Yozo Mitarai, and Ok-Kyung Kim

Design of Semi-automatic Plant Media Bagging Machine for Container Plant Nursery ........................................... 36
Dian Yulianto and Soranat Raibhu

Toxicity of Bacillus thuringiensis-based Bio-insecticide on Coptotermes curvinagthus (Isoptera: Rhinotermidae) in Laboratory ........................................................................................................................................ 41
Yulia Pujiastuti, Rohwati, Suwandi, Dwi Probowati, Suparman, and Arsy

Agroeconomics and Agricultural Ecotourism
Relationship between Livelihood Assets and Strategies of Small-Scale Farmers: Evidences from Rain-Fed Areas of the Punjab, Pakistan ........................................................................................................... 46
Muhammad Luqman, Muhammad Yaseen, Shoaib Nasir, and Younas Afzal

Ecotourism at Nuraksa Forest Park Area of West Lombok - Indonesia ................................................................. 52
Muji Rahayu and Baiq Nurul Hidayah

Adaptability of Crop Insurance as a Risk Mitigation Mechanism by the Farmers of Assam – An Analysis of Modified National Agricultural Insurance Scheme (MNAIS) ................................................................. 58
C. Hazarika and Sabina Yasmin
Agricultural Products Processing and Food Processing
The Effects of Controlling the Residual Moisture Content in Oil Palm Fruits under Microwave Sterilization...63
Pornpipat Yoosa, Ekkachart Hattha, and Tanakorn Tantanawat

Development of Powder with Increased Rutin Content from Mulberry Leaves and Application of Food Materials.................................................................................................................................................................69
Hyun-bok Kim, Jung Dae Lim, Ae-Jung Kim, and Gyoo Byung Sung

Application of Sensory Evaluation in Flavor Analysis of Pomegranate Juice ..........................................................73
Noppawan Noomsiri and Yaowapa Lorjaroenphon

Agricultural Informatics
3D Wavelet Analysis of Movement Acceleration Data in Agricultural Workers Using a Hoe........................78
Shinji Kawakura and Ryosuke Shibasaki