

CONTENTS

Contributed Papers	Page
Effects of long-term fertilization on paddy rice yield and nitrogen use efficiency in Andosol <i>Phan Thi Thuy, Morio Kato, Hisayoshi Hayashi</i>	1
Life cycle, morphometry and natural enemies of fall armyworm, <i>Spodoptera frugiperda</i> (J.E. Smith) (Lepidoptera: Noctuidae) on <i>Zea mays</i> L. in the Philippines <i>Marcela M. Navasero and Mario V. Navasero</i>	17
Bioprospecting of <i>Turbinaria ornata</i> (Fucales, Phaeophyceae) for cosmetic application: antioxidant, tyrosinase inhibition and antibacterial activities <i>Eldrin DLR. Arguelles and Arsenia B. Sapin</i>	30
Estimating asymmetric price transmission in the Indonesian beef market <i>Dedi Budiman Hakim, Komalawati, Deby Ananda Difah</i>	42
Fruit growth pattern in date palm (<i>Phoenix dactylifera</i>) ‘Sukkary’ and ‘Khllass’ varieties <i>Abdelazize Eljiati, Anass Rouifi, Trizhia Marie Bool Silva, Naoki Terada, Atsushi Sanada and Kaihei Koshio</i>	54
A review on basic biology and ecology of invasive apple snails (<i>Pomacea</i> spp.) for effective management <i>Arfan Ahmed Gilal and Rita Muhamad</i>	66
Evaluation and optimization of pectinase production by endophytic fungi isolated from Thai orchids using agrowaste medium <i>Kathawut Sopalun and Siriluck Iamtham</i>	86
Detection of <i>Oryctes rhinoceros</i> Nudivirus (ORNV) from <i>Oryctes rhinoceros</i> (Coleoptera: Scarabaeidae) beetles in oil palm plantations of east coast peninsular Malaysia <i>Puvarasi Pallanisamay, Siti Nor Khadijah Addis, Nur Ain Farhah Ros Saidon Khudri, Ramle Moslim and Wahizatul Afzan Azmi</i>	99
Field performance and bioactive content of <i>in-vitro</i> derived <i>Aloe vera</i> (<i>Aloe vera</i> L. Burm. F.) as influenced by planting distance, fertilization and plant material <i>Jose Arnel T. Sarmiento, Evalour T. Aspuria, Edna A. Aguilar, Pompe C. Sta. Cruz, Pearl B. Sanchez</i>	108
Ecotoxicological effects of chromium(VI) on seedling growth, soil nitrification and earthworm behavior <i>Marcial S. Buladaco II, Divina Angela G. Navarro, Pearl B. Sanchez and Simplicio M. Medina</i>	122
Antioxidant activities in selected varieties of red lettuce (<i>Lactuca sativa</i> L) exposed to water deficit stress <i>Regina Lourdes Broñola-Hipol and Maribel L. Dionisio-Sese</i>	133

Contributed Papers	Page
Efficacy of selected Piperaceae, Asteraceae, and Zingiberaceae plant extracts against <i>Helopeltis antonii</i> Sign. <i>Rohimatun, Sri Yuliani, I Wayan Winasa and Dadang</i>	145
Development of weather-based empirical forecasting models of tomato leaf curl disease in northern Mindanao, Philippines <i>Bernadith T. Borja, Ireneo B. Pangga, Filomena C. Sta. Cruz and Pompe C. Sta. Cruz</i>	158
Editorial Committee.....	170
Reviewers.....	171
