Table of Contents

Assessment of Purity of F ₁ Plants Derived from the Cross of MR264 and Pongsu	1
Seribu 2 Using Microsatellite Markers H. Nor'Aishah, H. Abdul Rahim, A. R. Khairuddin, H. Sobri, M. N. Norain and M. Z Nursamahah	
A Novel Water Resource Allocation Model Comparing with the Conflict Resolution	6
Method Parvaneh Kazemi Meresht and Shahab Araghinejad	
Designation and Analysis of Sustainable Development Strategies by applying SWOT model and Analytic Network Process Shaho Karami, Vafa Ghaemmaghami, Sanaz Sabeti Mohammadi, Ramezan Heydari and Mehdi Farokhnejad	11
Growth Response of Uapaca. Kirkiana Seedlings to Ectomycorrhizal Inocculation in Sand Growth Media K. Ramachela	16
Rajasthan Solar Water Pump Programme–Creating a Better Future for Farmers Dinesh Kumar Goyal	25
Effects of Summer Cover Cropping on Weed Population Density and Biomass in a Subsequent Broccoli Crop Oli G. Bachie and Milton E. McGiffen	31
Meta-Modeling of Transmission Error for Spur Gear in Wind Turbine Applications Muhammad Adnan Hanif, Muhammad Irfan, Muhammad Usman Hanif and Zia Ud Din	37
Economic Analysis of Modern Honey Production in Ibarapa East Local Government Area of Oyo State Afees Babatunde Adeniyi, Olufunmi Amao and Saidat Adebola Adeyemo	42
Index of Root Carbohydrates Contents for Salt Tolerance in Alfalfa Masoud Torabi and Ridzwan Abd Halim	47
An Algorithm Based on the RGB Colour Model to Estimate Plant Chlorophyll and Nitrogen Contents M. M. Ali, Ahmed Al-Ani, Derek Eamus and Daniel K. Y. Tan	52
Generation of Biogas from Bio-waste in Rural Area of Palestine Samah Jawad Al Jabri and Majed Subhi Abu Sharkh	57
Agricultural Education and Training as Panacea for Sustainable Food Security in the Developing Countries Michael Ajayi and Oluwakemi Fapojuwo	62
The Problems and Constraints in Managing Tidal Swamp Land for Sustainable Food Crop Farming (A Case Study of Trasmigration Area of Tanjung Jabung Timur Regency, Jambi Province, Indonesia)	67
Husin Adam, Robiyanto H. Susanto, Benyamin Lakitan, Ardiyan Saptawan and M. Yazid	
Dietary Supplementation of Limonia acidissima L. Fruit on in vivo Antioxidant	73

Activity and Lipid Peroxidation of Cyprinus carpio L. D. Teepica Priya Darsini, V. Maheshul, P. Srinivasan, S. Nishaa and J. Castro	
Study of Biological Phosphate (Biophosphate Fertilizer) Efficiency on Flue_Cured Tobacco Yield and Quality in Comparison with Super Phosphate Mohamad ali Sabeti amirhandeh, Diako Ghorbanian and Ahmadreza Alavi	80
The Application of Niche Market Strategy for Traditional Horticultural Products in Hungary Márta Nátári	83
Determination of Apple Critical Drop Height and its Relation to Bruising Amir H. Afkari-Sayyah and Sedigheh Shekarbeigi	88
Molecular Characterization of Malaysian rice Germplasm by Using Microsatellite Markers for Variety Identification Bahareh Derakhshandeh, Muhammad Arshad Javed, Chew-Tin Lee, Siti Ailla Md Afendi and Fahrul Zaman Huyop	92
A GIS-based Approach for Determination of Potential Runoff Coefficient for Al-Baha Region, Saudi Arabia Shereif H. Mahmoud, F. S. Mohammad and A. A. Alazba	97
Limitations to Religious Environmentalism: Some Evidence from Northeast Nigeria Muazu Usman Shehu	103
Trace Elements Atmospheric Pollution from High Temperature Anthropogenic Processes A. Devyatova and N. Yurkevich	110
The Antimicrobrial Effect of Alkaloids (Harmin, Harmalin) Extracted from <i>Peganum Harmala</i> (L) Seeds in the South of Algeria (Bousaada) Nassima BEHIDJ-BENYOUNES and Thoraya DAHMENE	115
Cycle of <i>Chaetoptelius vestitus</i> on pistachio fruit (<i>Pistacia will vera</i> L.) and counting galleries at four cardinal exposure in Algeria N. Meziou–Chebouti, A. Merabet, Y. Chebouti, F.Z. Bissaad and N. Behidj	119
Author Index	124