

Contents

Journal of Agricultural, Life and Environmental Sciences

Vol. 38 No.2 June 2026

Decentralized Renewable Energy for Smart Agriculture: Economic and Carbon Reduction Potentials of Biomass CHP Systems	117
Sunyong Park, Jiwook Yang, Sungyeol Kim, Kyojung Hwang, JaeJung Lee, Sunhwa Ryu	
Non-destructive Classification of <i>Phytophthora</i> Blight and Water Stress in Perilla Using Hyperspectral Imaging and 1D-CNN	136
Tae-An Kang, Chi-Yong An, Younghan Yoon, Jongsoo Ryu, Hongseok Lee	
Integrated Techno-Economic and Environmental Assessment of a Decentralized Biochar System Using Agricultural Residues	151
Sunyong Park, DaeHyun Kim, Kwang Cheol Oh	
Impact of Lookback Window Length on Transformer-Based Multi-Step Forecasting of Chlorophyll-a in an Agricultural Reservoir	171
Jinyoo Lee, Yeongseo Kim, Jonggun Kim, Seoro Lee	
Effects of <i>Allium victorialis</i> (Myeongi Namul) Addition on the Quality Characteristics and Antioxidant Activity of Morning Rolls	183
Sun-Ho Lee	
Evaluation of Antioxidant Activity in Euphorbia <i>humifusa</i> Extracts	195
Na-Young Kim, Jin-Hyuk Choi, Sung-Jin Park	
A Network and Delphi Analysis Approach to Identify Steep Slope Risk Factors: South Korean Case Study	209
Cherry Rose Godes, One-Bin Lim, Shanell Aira Rodrigazo, Yongseong Kim, Jaeheum Yeon	

