

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Chih-Fang Wang, Wen-Yan Zhang**

In recognition of your valuable contribution as a "poster presentation", entitled "Preliminary Assessment of Hydrological Response to Land Use Change Using the NRCS-CN Method" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
Dean, College of Engineering,  
National Pingtung University of Science  
and Technology (NPUST), Taiwan

A handwritten signature in blue ink, reading "Yuwalee Unpaprom".

Assoc. Prof. Dr. Yuwalee Unpaprom  
Dean, Faculty of Science  
Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Hsun-Chuan Chan, Chia-Chang Lee**

In recognition of your valuable contribution as a "poster presentation", entitled "Potential of Sugarcane Fields as Retention Areas for Flood Risk Reduction" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

**Prof. Dr. Tien-Chien Chen**  
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Dean, Faculty of Science  
Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE

## APPRECIATION

This is to certify that

**Asif Iqbal, Chiang Jie-Lun**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessment of Spatiotemporal Meteorological Drought Variability and Its Climatic Drivers in the Gilgit Region" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

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i-RESEAT-2026



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## APPRECIATION

This is to certify that  
**Jihn-Fa Jan, Huan-Yu Lin, Shyue-Cherng Liaw, Wan-Jiun Chen,  
Chih-Hsin Chung**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessing Landscape Dynamics in Low-Mountain River Watersheds Using Multi-Source, Multi-Scale Remote Sensing Data" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A blue ink signature of Prof. Dr. Tien-Chien Chen.

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Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Xian-Jun Wu, Hsun-Chuan Chan**

In recognition of your valuable contribution as a "poster presentation", entitled "Survey and Evaluation of Stormwater Detention Facilities for Urban Development in Central Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

**Prof. Dr. Tien-Chien Chen**  
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Dean, Faculty of Science  
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# CERTIFICATE APPRECIATION

This is to certify that

**Chih-Wei Chuang, Yu-Ling Tuan, Li-Ning Chao, Tz-Yun Lan**

In recognition of your valuable contribution as a "poster presentation", entitled "An Exploration of Soil Erosion Control by Vines Species" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Hsu Feng-Hsien, Chan Hsun-Chuan**

In recognition of your valuable contribution as a "poster presentation", entitled "Analysis and Evaluation of the Effectiveness of Farmland and Water Conservancy Promotion at the Yunlin Environmental Education Park" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**BING-SHYAN LIN, HUI-CHI HSU, HSIN-JOU CHIU, TZU-YU CHEN**

In recognition of your valuable contribution as a "poster presentation", entitled "Synergy of Multi-Axial Stabilization: Long-term Performance Analysis of Transverse Retaining and Longitudinal Drainage on Mudstone Slope Stability (2019–2025), Southern Hualien, Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
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Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Shih-Chao Wei, Guan-Wei He**

In recognition of your valuable contribution as a "poster presentation", entitled "From Reactive Detection to Proactive Warning: Scenario-Based Simulation of Multimodal Sediment Disasters at Yusui Stream" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Wan-Chen Huang, Tien-Chien Chen**

In recognition of your valuable contribution as a "poster presentation", entitled "Hazard Potential Assessment Model for Debris Flows Induced by Tributary Channel Blockage" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink that reads "Tien-Chien Chen".

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# CERTIFICATE APPRECIATION

This is to certify that

**Chen Yu-Da, Ko Tsan-Tang, Tsai Cheng-Hsiu, Lin Yu-Tsung,  
Lai Tsung-cheng, Guo Wei-Liang, Wu Chia-Chun**

In recognition of your valuable contribution as a "poster presentation", entitled "A Case of Nature-Based Solutions: Microclimate Regulation by an Agricultural Pond on Mudstone Badlands" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Jian-Li Lin, Hsun-Chuan Chan, Siung-Yi Jhan**

In recognition of your valuable contribution as a "poster presentation", entitled "Establishment of Hydraulic Benchmarks for Flap Gates and an IoT-Integrated Real-Time Anomaly Diagnosis Framework" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Chiung-Ling Liu, Hsun-Chuan Chan**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessment of Groundwater Pumping Management for Major Industrial Water Users : A Case Study in Yunlin City, Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Yi-Kuang Wang, Chen-Bao Wang, Chao-Yi Wang**

In recognition of your valuable contribution as a "poster presentation", entitled "The Ecological Assessments of Low Slope Fishways and Pools below Check Dams: a Case Study of Engineering Structures in the Hoya Bridge Reach in Bayshi Creek" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Cheng-Xin Jin, Chia-Ling Chang, Sheng-Wei Chuang, Yu-Kai Yang**

In recognition of your valuable contribution as a "poster presentation", entitled "Investigation and Analysis of Carbon Emissions from Detention Basins: A Case Study of Taichung Central Park" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien-Chien Chen".

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# CERTIFICATE APPRECIATION

This is to certify that  
**I-CHIA CHIU, BING-SHYAN LIN, CHUAN-SHUN YAN,  
JEN-YOU CHIAN**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessment of Carbon Sequestration and Sink Enhancement Benefits in Soil and Water Conservation Engineering: A Case Study of the Chuhuo Bridge Stream Restoration Project, Pingtung Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Yan-Ning Huang, Kuo-Wei Liao**

In recognition of your valuable contribution as a "poster presentation", entitled "Agricultural Management and Seasonal Controls on Ecosystem Carbon Fluxes in Tea Plantations" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Chih-Wei Chuang, Yu-Chen Shen, Chen-Yi Li, Xiang-Kai Cai**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessment of Soil Carbon Loss in the Zhuokou Watershed under Climate Change" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Chih-Wei Chuang, Yu-Tien Cheng**

In recognition of your valuable contribution as a "poster presentation", entitled "The Impact of Adhesives on Vegetation Restoration in Mudstone Environments" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Kai-Chi Hsu, Yen Pin Chen, Guo-Zhang M. Song, Chen Yu Chen**

In recognition of your valuable contribution as a "poster presentation", entitled "Effects of Canopy Gaps on Tree Health and Vegetation Dynamics in a Coastal Shelterbelt Forest: A Case Study in Taichung, Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A blue ink signature of Prof. Dr. Tien-Chien Chen.

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Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Jian-De Lin, Chih-Hsin Chung**

In recognition of your valuable contribution as a "poster presentation", entitled "Deep Learning for Mapping Standing Dead Trees in Forests" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Chung Hsuan Hung, Meng Tsen Hsieh, Chi Tang**

In recognition of your valuable contribution as a "poster presentation", entitled "To Study the PM2.5 Concentration of Time Variation at Northern Pingtung Area" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Meng Tsen Hsieh, Chung Hsuan Hung, Chi Tang**

In recognition of your valuable contribution as a "poster presentation", entitled "The Comparison of PM2.5 Concentration in Foothill and Plain of Northern Pingtung Area during Autumn and Winter Seasons" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Hao-Cheng Liao, Hsi-Chun Chen, Xin-Jie Lin**

In recognition of your valuable contribution as a "poster presentation", entitled "Assessment of Fish Habitat Suitability and Connectivity in Agricultural Ecosystems: A Case Study of Wufu Community, Wufeng District, Taichung, Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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This is to certify that  
**WEI-CHIANG CHEN, BING-SHYAN LIN, HUAN-HSI TSAI,  
CHIH-HSIAN HUNG**

In recognition of your valuable contribution as a "poster presentation", entitled "Cross-Regional Resilience: Dynamic Grading Management and Micro-Climate Response Strategies for Disaster Prevention Roads in Southern Taiwan" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Narin Taokaenchan, Jutamas Piladee, Shang-Han Tsai**

In recognition of your valuable contribution as a "poster presentation", entitled "Optimization of Hot Air Drying Conditions for Moisture, Color and Saponin Content of Bacopa monnieri Leaves using Box–Behnken Design" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Chien-Hsien Lee, Li-Yen Su, Chi-Yao Hung**

In recognition of your valuable contribution as a "poster presentation", entitled "Automated SfM-Based Inspection and Image Classification for Structural Health Assessment of Large-Diameter Wells" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**PING HAN WU, WEN YEN ZHANG**

In recognition of your valuable contribution as a "poster presentation", entitled "Preliminary Evaluation of the Maximum Allowable Flow Velocity for Sand in Slope Land Drainage Design" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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This is to certify that

**Chu-Husan Lin, Yu-Shen Hsiao**

In recognition of your valuable contribution as a "poster presentation", entitled "Comparison between USGS EarthExplorer Level-1 and Level-2" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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# CERTIFICATE APPRECIATION

This is to certify that

**Chin-Chu Chen, Hsun-Chuan Chan**

In recognition of your valuable contribution as a "poster presentation", entitled "A Landscape Drainage Decision-Making Mechanism Based on Machine Learning and SHAP Interpretability Analysis : An Empirical Study of Flood Control and Microclimate at the Dazhi Drainage System" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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This is to certify that  
**Chao-Cheng Yang, Hsun-Chuan Chan, Hsing-Chung Chen,  
Yang-I Lin**

In recognition of your valuable contribution as a "poster presentation", entitled "Research on the Site Selection Mechanism for Promoting Farmland Runoff Detention: A Case Study of the Chiayi Area" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Uday Shashikumar, Vinoth Kumar Ponnusamy**

In recognition of your valuable contribution as a "poster presentation", entitled "Advanced Engineered Polypyrrole Encapsulated Magnetic-gCN nanocomposite coupled with LC-MS/MS for Exposure Assessment of Per- and Polyfluoroalkyl compounds in Human Urine" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

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i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Jeganathan Chinnadurai, Vinoth Kumar Ponnusamy**

In recognition of your valuable contribution as a "poster presentation", entitled "Determination of Harmful Tire Rubber Additives in Environmental Water Samples using a Reusable Magnetic Zeolitic Imidazolate Framework-67 Sorbent Coupled with UHPLC-MS/MS" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
Dean, College of Engineering,  
National Pingtung University of Science  
and Technology (NPUST), Taiwan

A handwritten signature in blue ink, reading "Yuwalee Unpaprom".

Assoc. Prof. Dr. Yuwalee Unpaprom  
Dean, Faculty of Science  
Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Seyadu Abuthahir P, Manikandan E, Vinoth Kuma**

In recognition of your valuable contribution as a "poster presentation", entitled "Rapid and sensitive detection of sulfamethoxazole using MXene/MWCNTs sensor" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
Dean, College of Engineering,  
National Pingtung University of Science  
and Technology (NPUST), Taiwan

A handwritten signature in blue ink, reading "Yuwalee Unpaprom".

Assoc. Prof. Dr. Yuwalee Unpaprom  
Dean, Faculty of Science  
Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that  
**Devarasu Mohanapriya, Vinoth Kumar Ponnusamy,  
Kathavarayan Thenmozhi**

In recognition of your valuable contribution as a "poster presentation", entitled "Hydrogen peroxide biosensor based on covalent immobilization of horseradish peroxidase on surface functionalized  $Ti_3C_2T_x$  MXene" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
Dean, College of Engineering,  
National Pingtung University of Science  
and Technology (NPUST), Taiwan

A handwritten signature in blue ink, reading "Yuwalee Unpaprom".

Assoc. Prof. Dr. Yuwalee Unpaprom  
Dean, Faculty of Science  
Maejo University (MJU), Thailand

i-RESEAT-2026



# CERTIFICATE APPRECIATION

This is to certify that

**Sajina Selvaraj, Muthusankar Esawaran, Vinoth Kumar**

In recognition of your valuable contribution as a "poster presentation", entitled "Disposable Pencil Graphite Electrode with Electropolymerized Polydiphenylamine–Silver Nanocomposite for Non-Enzymatic Electrochemical Glucose Detection" for the 8th International Conference on Sustainable Soil and Water Conservation and Rural Development (i-RESEAT 2026) held on 8 May 2026.

A handwritten signature in blue ink, reading "Tien Chien Chen".

Prof. Dr. Tien-Chien Chen  
Dean, College of Engineering,  
National Pingtung University of Science  
and Technology (NPUST), Taiwan

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Assoc. Prof. Dr. Yuwalee Unpaprom  
Dean, Faculty of Science  
Maejo University (MJU), Thailand