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2025**

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7<sup>th</sup> International Conference on Agricultural and  
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(CAFE<sup>i</sup>2025)

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# Category 1

# Agri-Food Lifecycle & Informatics

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# CONGRATULATIONS!

**CAFEi7-092**

**Advancing Forest Landscape Restoration (FLR): The Role of Small  
Multicopter UAVs in FLR Mapping and Assessment**

**Ts. Gs. Dr. Wan Nor Zanariah Zainol @ Abdullah, Omar Faruqi Marzuki, Mohd Firdaus Bohari,  
Hamdan Omar**

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# CONGRATULATIONS!

**CAFEi7-084**

**A Comparative Study of Drying Methods and Extraction Solvents on Antioxidant Properties of Persicaria minor (Huds.) Opiz (Kesum)**

**Dr. Mirfat Ahmad Hasan Salahuddin, Rosalizan Md Saleh, Razali Mirad, Mohd Effendi  
Mohamed Nor, Norma Hussin, Muhammad Faris Mohd Radzi, Zulkefli Abd Rahman, Muhammad  
Faidhi Towhid, Saidatul Aqilah Mohamad Yusof  
Malaysian Agricultural Research and Development Institute (MARDI)**

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# CONGRATULATIONS!

**CAFEi7-083**

**Assessment of Intake of Essential and Toxic Elements through Sheep Dairy Products with Different Intake Scenarios Consumption from an Organic Sheep Farm**

**Dr. Martina Pšenková, Róbert Toman, Ivona Jančo, Marta Habánová**  
**Slovak University of Agriculture in Nitra**

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# CONGRATULATIONS!

**CAFEi7-080**

**Influence of Roasting Time–Temperature Parameters on Flavor  
Development in Liberica Coffee Beans**

**Nur Hanis Sofia Mohd Raus, Dr. Nur Hamizah Abdul Ghani**  
**Universiti Putra Malaysia**

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**CAFEi7-071**

**Development of a Strategic Innovation Framework for Malaysian  
Traditional Food Products**

Jefriniza, M. A., Nor, M. Z. M. Ghani, N. H. A., Hasnan, N. Z. N., Salleh, F. S. M., Mazlan, M.  
M., Juhari, N. H

**Ts. Dr. Mohd Zuhair Mohd Nor**  
**Universiti Putra Malaysia**

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# CONGRATULATIONS!

**CAFEi7-157**

**Detection of Cocoa Maturity and Cocoa Pod Borer using Thermal Imaging  
and Sound Measurement Technique**

**Nur`Aliah Hanani Mohd Baktiar, Mahirah Jahari, Siti Khairunniza Bejo, Khairil Anas Md  
Rezali, Khairul Bariah Sulaiman, Muhaini Syahirah Abdul Ghani, Farisya Nasihah Zainuddin  
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# CONGRATULATIONS!

**CAFEi7-107**

**Development and Characterization of an Antibacterial Hydrogel  
Incorporating *Acanthus ilicifolius* Extract for Enhanced Wound Healing**

**Dr. Faiqa Shazeaa Mohd Salleh, Putri Nur Badrisya Balqies Abd Khalid, Intan Syafinaz,  
Mohamed Amin Tawakkal  
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# CONGRATULATIONS!

**CAFEi7-055**

**Precision Detection and Multi-Level Classification of BSR in Oil Palm  
Using RGB Features and Index, Thermal Imaging and PCA-Enhanced  
Machine Learning**

**Muhamad Ammar Syazani Azree, Ts. Gs. Dr. Nur Azuan Husin  
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# CONGRATULATIONS!

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**Postharvest and Process Engineering System of  
Selected Fruit, Vegetable and Grain**

**Ts. Dr. Masniza Sairi**, Zainun Mohd Shafie, Badaruzzaman Mohamad Noh, Wan Mohd Fariz Wan Azman, Hasmin Hakim Hasbullah, Sharifah Hafiza Mohd Ramli, Afiqah Aina Rahim, Asnawi, Shahrar, Mohamad Jani Saad, Saiful Azwan Azizan, Mohd Shahrir Azizan, Ishak Hashim, Ruwaida Abdul Wahid, Yahya Sahari, Nur Azlin Razali, Amir Syariffuddeen Mhd Adnan, Rosalizan Md Salleh, Noor Ismawaty Nordin, Sharizan Ahmad, Nuraini Ahmad Ariff Shah, Nazzami Adam Muhammad Mujab, Mohd Hafiz Mohd Yusoff, Teoh Chin Chuang

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## Agri-Tech, Resource & Waste Management

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# CONGRATULATIONS!

**CAFEi7-134**

**Characterization of Gelatin Extracted from Red Tilapia Fish Scales and its  
Potential for Nanomaterial Synthesis**

**Nur Syazwani Yusri, Roseliza Kadir Basha, Nor Amaiza Mohd Amin, Norhazlin Zainuddin,  
Noor Zafira Noor Hasnan  
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# CONGRATULATIONS!

**CAFEi7-006**

**Comparison study of UAV Spraying Drift in Indoor Laboratory Testing and  
Open Field Testing**

**Ts. Dr. Anas Mohd Mustafah, Azmeer Ahmad Shukri, Nazmi Mat Naw, Diyana Jamaludin,  
Nurulhuda Khairudin, Fatin Nabila Rosli**  
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# CONGRATULATIONS!

**CAFEi7-072**

**Improved Data Fusion DEM for Erosion-Induced Landslide Susceptibility  
Map at Cameron Highlands, Pahang**

**Prof. Dr. Ahmad Fikri Abdullah  
Universiti Putra Malaysia**

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# CONGRATULATIONS!

**CAFEi7-013**

**A First Look at Ammonia Emissions from Fertilized Rice Fields in Malaysia**

**Dr. Nurulhuda Khairudin, Nurul Syaadah Gusni, Nadiyah Wahi, Muhammad Firdaus  
Sulaiman, Hasfalina Che Man, Adibah Mohd Amin  
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# CONGRATULATIONS!

**CAFEi7-152**

**Genomes of the Malaysian Brown Planthopper and its Endosymbionts**

**Dr. Lina Rozano**, Noriha Mat Amin, Wee Chien Yeong, Maisarah Mohamad Saad, Mohd Shahril, Firdaus Ab Razak, Azlinda Erny Yunus, Muhamad Aizuddin Ahmad, and Mohd Fadli Mohd Fauzi

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**CAFEi7-211**

**Evaluation of Unmanned Aerial Spraying System for Application of  
Flowering Induction Hormone in  
Pineapple Cultivation**

**Dr. Siti Noor Aliah Baharom, Mohd Nizam Zubir, Muhammad Hariz Musa, Norhafizi  
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