

MESSAGE FROM THE CONFERENCE CHAIRPERSON – AGROFOOD 2025



On behalf of organizing committee, it is my privilege and great delight to welcome all the esteemed delegates, partners, speakers and participants to the 6th International Conference on Agriculture, Food Security and Food Safety (AgroFood 2025), under the theme "Feeding the World Sustainably: One Health, One World". This gathering were important convergence of science and innovation to address the most pressing challenges of our time.

As we stand at the crossroads of rapidly changing world, our important mission is to nourish a growing global population which projected to reach 10 billion by 2050, while protecting the health of our planet and its inhabitants. This demands will indirectly related to transformation in how we produce, distribute and consume food.

Under the theme "Feeding the World Sustainably: One Health, One World", we recognize that food security, environmental sustainability and global health are inextricably linked. Climate change intensifies droughts and floods, threatening agricultural productivity. The transboundary disease from zoonotic outbreaks to crop pandemics has highlight the fragility of our inteconnected food system. And as we push for greater food production, we must ensure we do not exhaust the natural resource for future generations.

At this conference, we will address these challenges by focusing on the food security, Climate smart agriculture by scaling regenerative practices and building resilience against climate extreme. The One health in action that preventing disease transmission through trans-boundary collaboration, which strengthening global partnership to combat pest, pathogen and food supply disruptions. All this will need to include environmental stewardship that protect biodiversity, soil and water resource while meeting the rising food demand,

Through this conference, all expertise is vital in shaping a future where food systems sustain both people and planet. We hope everyone could engage, collaborate and drive the change to our world needs. Together we can achieve the "One Health, One World' vision into reality.

I look forward to fruitful discussion during this conference and may our collective efforts could pave the way for a more sustainable and food-secure future.

Assoc. Prof. Dr Norida Mazlan
Chairman, AgroFood 2025

MESSAGE FROM THE CONFERENCE CO- CHAIR – AGROFOOD 2025



It is with great pleasure and deep appreciation that I welcome all delegates, researchers, industry partners, and students to this year's AgroFood 2025 Conference, themed "Feeding the World Sustainably: One Health, One World." This theme speaks to the urgent need for integrated approaches in addressing global food security, public health, and environmental sustainability. As our food systems face unprecedented challenges, from antimicrobial resistance and climate change to emerging zoonotic threats, it is only through collaboration across disciplines, sectors, and borders that we can forge meaningful solutions. The One Health framework reminds us that the health of people, animals, and our shared environment is interconnected.

This conference brings together thought leaders and innovators to exchange knowledge, share cutting-edge research, and inspire action towards a more resilient and inclusive global food system. I am confident that the sessions and discussions will spark new ideas and foster impactful partnerships that extend beyond this event.

On behalf of the organizing committee, I thank you for your presence and active participation. May this conference serve as a platform not only for academic and professional growth, but also for a shared commitment to building a healthier, more sustainable world.

Warm regards,
Assoc. Prof. Dr. Nor Khaizura Mahmud Ab Rashid
Co-Chair, AgroFood 2025

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2025



On behalf of the Department of Agronomy and Horticulture, Faculty of Agriculture, Bogor Agricultural University (IPB), Indonesia, it is our distinct honour and pleasure to welcome you to the 6th International Conference on Agriculture, Food Security, and Safety (AgroFood 2025). We are proud to be the academic partner for this prestigious event, which will be held from 6th – 7th August 2025 in Kuala Lumpur, Malaysia, in both online and in-person formats.

The theme for this year's conference, "Feeding the World Sustainably: One Health, One World," encapsulates the comprehensive approach needed to address the multifaceted challenges of global food systems.

This theme highlights the importance of integrating diverse perspectives and innovative practices across the entire agricultural spectrum—from sustainable farming and advanced biotechnology to food safety and nutrition security.

AgroFood 2025 brings together participants from all over the world, including distinguished scholars, industry leaders, and dedicated professionals. This gathering provides a unique platform to exchange ideas, share cutting-edge research, and develop strategies that will shape the future of agriculture and food security.

We extend our heartfelt gratitude to all speakers, sponsors, and attendees for their contributions. Your presence and input are invaluable to the success of AgroFood 2025. Together, let us embark on this journey of knowledge-sharing and innovation to create a sustainable and food-secure future.

Welcome to AgroFood 2025!

Prof Edi Santosa,
Academic Partner of AgroFood 2025,
Head of the Department,
Department of Agronomy and Horticulture, Faculty of Agriculture,
Bogor Agricultural University (IPB),
Indonesia

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2025



It is my distinct honour and pleasure to welcome you to the 6th International Conference on Agriculture, Food Security, and Food Safety (Agro Food 2025). As an academic partner, we are thrilled to continue our collaboration on this prestigious platform that brings together eminent scholars, industry leaders, and passionate professionals from around the globe.

This conference serves as a pivotal forum for sharing cutting-edge research, exploring innovative solutions, and promoting sustainable practices that address the critical challenges facing our global food systems today. In a world where agriculture and food security remain central to the well-being of societies, Agro Food 2025 offers a unique opportunity to delve into the latest advancements and emerging trends in agricultural technology, food production, and safety protocols.

We are particularly excited about the diverse range of topics to be explored this year – from sustainable farming methods and biotechnology innovations to global food safety standards and strategies for nutrition security. The insights gained from these sessions will not only enrich academic discourse but also inform practical applications for policymakers, practitioners, and communities around the world.

Moreover, the networking opportunities provided by this conference will foster meaningful collaborations and professional relationships that will extend well beyond these sessions, enhancing our collective ability to address complex agricultural and food security challenges.

We extend our sincere gratitude to all the distinguished speakers, generous sponsors, and dedicated participants for their invaluable contributions to Agro Food 2025. Your presence and engagement are essential to the continued success of this event.

Together, let us embrace this opportunity to share knowledge, spark innovation, and chart a path toward a more sustainable and food-secure future.

Welcome to Agro Food 2025!

University of Agriculture Faisalabad, Pakistan
Academic Partner

6th International Conference on Agriculture, Food Security, and Food Safety (Agro Food 2025)

TECHNICAL PROGRAM

DAY 01 – WEDNESDAY, 6TH AUGUST 2025

INAUGURATION SESSION

Wednesday, 06th August 2025 | 09.00 MYT to 09.30 MYT | BUKIT BINTANG 1 – Level 3

09.00 – 09.15

Welcome Address by the Conference Convener



Ms. Thulakshana Dilrukshi
 (Director, iConferences, Sri Lanka)

09.15 – 09.30

Welcome Address by the Conference Chairperson



Assoc. Prof. Dr. Norida Mazlan
 (Faculty of Agriculture, University Putra Malaysia, Malaysia)

KEYNOTE SESSION

Wednesday, 06th August 2025 | 09.30 MYT to 10.00 MYT | BUKIT BINTANG 1 – Level 3

09.30 – 10.00

Prof Dr. Jennifer Ann Harikrishna



(Director, Centre for Research in Biotechnology for Agriculture (CEBAR), University of Malaya, Malaysia)

"Biotech Tools for Sustainable Crop Production: From Microorganisms to microRNA"

Prof. Jenni is currently the Director of the Centre for Research in Biotechnology for Agriculture (CEBAR) at the University of Malaya and holds a joint appointment as a Professor in the Microbiology and Molecular Genetics Programme under the Faculty of Science at the University of Malaya. Prof. Jenni also holds a current appointment as an Honorary Visiting Fellow in the Department of Genetics and Genome Biology at the University of Leicester, UK. Prof. Jenni's current research interests are fundamental research and its application through biotechnology for use in agriculture, including the molecular genetics of tropical plants and the use of microbes to help crops deal with the effects of climate change.

10.00 – 10.30

Morning Refreshments

PRECISION AGRICULTURE

Wednesday, 6th August 2025 | 10.30 MYT to 11.30 MYT | BUKIT BINTANG 1 - Level 3

Chaired By Professor Dr. Jennifer Ann Harikrishna

(Director of the Centre for Research in Biotechnology for Agriculture (CEBAR), University of Malaya)

TECHNICAL SESSION 01

10.30 - 10.45

A1 **In-Person**



Thipe, E.L., Hoffmann, J.E., Sebitosi, A.B., Kempen, E., Teke, G.
 (Stellenbosch University, South Africa)

"Development and Validation of a CFD Thermal Model for Small-Scale Naturally Ventilated Greenhouse Under Semi-Arid Conditions of Botswana"

10.45 - 11.00

A2 **Virtual**



Kollipara, Y.V.P., El-Gayar, O.
 (Dakota State University, United States)

"AI-Driven Climate Change Mitigation for Food Security: A Quantitative Analysis Using Satellite Data"

11.00 - 11.15

A3 **Virtual**



Kosti, M.¹, Moraitis, M.¹, Karamoutis, C.², Kyparissis, A.², Cavalaris, C.³, Zamidis, A.⁴, Lampropoulos, C.⁵, Solomos, T.⁶, Balafoutis, A.T.¹

(¹Centre for Research and Technology Hellas, Institute for Bio-Economy and Agri-Technology, ²Special Account of Research Funds University of Thessaly, Giannitson & Lahana Streets, Palea, ³Hellenic Association for Promotion of Conservation Agriculture, Campus AUTH School of Agriculture, ⁴Agromet, Georgiou Katechaki 1, ⁵Lampropoulos Charisios-Producer, ⁶Agricultural Cooperative Nikaia Larissa "Prometheus", Greece)

"Impact of Conservation and Precision Agriculture Management Practices on Production of Cereals in Greece"

11.15 - 11.30

A4 **Virtual**



AL-Badri, S.B.S., Yassen, H.T.
 (University of Baghdad, Iraq)

"The Use of Remote Sensing Technology in Smart Irrigation and its Role in Water Rationing"

PRECISION AGRICULTURE

Wednesday, 6th August 2025 | 10.30 MYT to 11.15 MYT | **ZOOM BREAKOUT SESSION**

Dr. M. Karthikeyan

(Associate Professor, Plant Pathology, Department of Plant Pathology,
 Centre for Plant Protection Studies, Tamil Nadu Agricultural University, India)

TECHNICAL SESSION 02

10.30 - 10.45

A5 **Virtual**



Getaneh, M.Z^{1,2}, Jetten, V¹, Ettema, J¹. Meshesha, D.T²

(¹University of Twente, ²Bahir Dar University, Ethiopia)

"Spatio-Temporal Characteristics of Drought and Its Impact on Local Food Security: The Case of Libokemkem and Ebinat District, Northwestern Ethiopia"

10.45 - 11.00

A6 **Virtual**



Rashid, O.M., Al-Aani, F.

(College of Agricultural Engineering Sciences, University of Baghdad, Iraq)

"Assembling and Testing a Smart Electronic System for Measuring Tractor-Implement Performance Indicators using Internet of Things Technologies (IoT)"

11.00 - 11.15

A7 **Virtual**



Sikhuni, W., Kese, Z., Mncwabe, B., Mzilikazi, F., Matshikwe, A., Sakha, P., Mayekiso, A.

(Department of Agricultural Economics, Extension and Agribusiness, University of Fort Hare, South Africa)

"Overview of Air-Based Sensors for Efficient Farming Under the Challenges of Climate Variability in Southern Africa"

BUSINESS AND EXTENSIONS

Wednesday, 6th August 2025 | 11.30 MYT to 12.45 MYT | BUKIT BINTANG 1 – Level 3

Chaired By Dr. Tee Tuan Poy
 (Universiti Putra Malaysia, Malaysia)

TECHNICAL SESSION 03

11.30 – 11.45

B1 In-Person



Mohamad Razali, A.,

(CRAUN Research Sdn. Bhd., Malaysia)

“Household Survey on Livelihoods of Communities in Nipah Industry in Sarawak – A Baseline Study”

11.45 – 12.00

B2 Virtual



Tafeni, N.V., Gwala, L., Mayekiso, A.

(University of Fort Hare, South Africa)

“Barriers to the Utilisation of Digital Technologies by Smallholder Farmers in the Eastern Cape Province, South Africa”

12.00 – 12.15

B3 Virtual



**Mphana, Z.¹, Sawulisi, A.¹, Toko, A.^{1,2}, Khoza, A.¹, Skhephu, A.¹,
 Mayekiso, A.¹**

(¹Department of Agricultural Economics, Extension and Agribusiness, University of Fort Hare, ²Economic Analysis Unit, Agricultural Research Council, South Africa)

“Socio-Economic Factors Influencing the Adoption of Tractor-Traction by Smallholder Maize Farmers in Mbashe Local Municipality, South Africa”

12.15 – 12.30

B4 Virtual



Gwala, L., Bontsa-Tafeni, N.V., Mayekiso, A.

(Department of Agricultural Economics, Extension and Agribusiness, University of Fort Hare, South Africa)

“Impact of Drought and Floods Disasters on Communal Livestock Farmers and Their Adaptative Capacity in the Eastern Cape Province, South Africa”

12.30 – 12.45

B5 Virtual



Munthali, G. N. C.¹, He, P.², Banda, L. O. L.³, Mzumara, T.⁴

(¹Faculty of Environmental Sciences, Mzuzu University, Malawi, ²School of Economics and Management, Yangtze University, China; Finance Department, Mzuzu University, Malawi; Chidimbah Research Centre, Mzuzu, Malawi, ³Nalikule College of Education, Malawi, ⁴Department of Ophthalmology, Mzimba-North District Health Office, Mbelwa District Council, Malawi)

“Understanding Gender Gaps in the Adoption of Agriculture Technologies in Malawi: The Case of Vibangalala Extension Planning Area (EPA) in Mzimba”

12.45 – 13.45 **Lunch****PLENARY
SESSION****Wednesday, 06th August 2025 | 14.00 MYT to 14.30 MYT | BUKIT BINTANG 1 – Level 3**

14.00 – 14.30

Prof. Meisam Zargar*(RUDN University, Russia)*

Meisam Zargar, is a full professor of Crop Protection at the Department of Agrobiotechnology, RUDN University, Moscow. He holds a D.Sc. (2022) and Ph.D. (2014) in Crop Protection from RUDN University. He also served as a Senior Researcher during a sabbatical at Shahid Bahonar University of Kerman and holds consultative and supervisory positions. His research interests encompass field crop production, pest management, nanotechnology in plant protection, and sustainable crop production. He has received awards including the Quality of Research Discovery Award and multiple best paper recognitions. Prof Zargar is proficient in Persian, English, Russian, and Turkish and is actively involved in several research projects and editorial boards. He was appointed as the most influential researcher for agricultural science (with the title of Leader of Publication Activity). He currently serves as a Professor in the Department of Agrobiotechnology at the Institute of Agricultural Sciences, RUDN University, Moscow, a position he has held since 2024, and adjunct professor at Razi University of Iran. Additionally, as a consultant supervisor for Ph.D. candidates at S. Seifullin Kazakh Agrotechnical University since 2023.

SUSTAINABILITY AND ENVIRONMENT

Wednesday, 6th August 2025 | 14.30 MYT to 16.00 MYT | BUKIT BINTANG 1 – Level 3

Chaired by Professor Rosazlin Abdullah

(Institute of Biological Sciences, Faculty of Science, University Malaysia)

TECHNICAL SESSION 04

14.30 – 14.45



C1 **In-Person**

Sritharan, S., Arampath, P.C.

(Post Graduate Institute of Agriculture, University of Peradeniya, Sri Lanka)

"The Pumpkin Potential: Comprehensive Utilization of Pumpkin Plant for Sustainable Food Systems"

14.45 – 15.00



C2 **In-Person**

Ajeng, A.A., Abdullah, R., Ling, T.C., Harikrishna, J.A.

(¹Centre for Research in Biotechnology for Agriculture (CEBAR), ²Institute for Advanced Studies (IAS)³, Institute of Biological Sciences (ISB), Faculty of Science, Universiti Malaya, Malaysia)

"Rhizosphere Bioengineering: Biochar-Immobilized Bacillus Consortium Modulate Elaeis guineensis–Soil Interactions for an Improved Survival Under Reduced Chemical Fertilization"

15.00 – 15.15



C3 **In-Person**

Yakubu, A.I.^{1,5}, Mazlan, N.^{2,4}, Zulperi, D.M.¹, Jaafar, N.M.³

(¹Department of Plant Protection, ²Department of Agriculture Technology, Malaysia, ³Department of Land Management, ⁴Laboratory of Climate-Smart Food Production, Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia, ⁵Department of Agricultural Education, Federal College of Education (Tech), Nigeria)

"Evaluation of Indigenous Microbial Isolates for Growth Promotion and Biocontrol of Bacterial Panicle Blight in Rice"

15.15 – 15.30



C4 **In-Person**

Abu Sari, N.¹, Yong, S. K.², Abdullah, R.³

(¹Faculty of Plantation and Agrotechnology, ²Faculty of Applied Science, Universiti Teknologi MARA, Malaysia, ³Institute of Biological Science, Faculty of Science, Universiti Malaya, Malaysia)

"Biochar as a Green Solution for Remediating Contaminated Soil"

15.30 – 15.45



C5 **Virtual**

Jhoni, A.¹, Yamin, M.², Budianta, D.³, Lifianthi².

(¹Doctoral Program of Agriculture Sciences, ²Department of Agribusiness, ³Soil Science Department, Faculty of Agriculture, Sriwijaya University, Indonesia)

"Evaluation of Rice Farming Sustainability in Pali District: Income Analysis and Farmers' Perceptions of Social, Economic, and Environmental Aspects"

15.45 - 16.00

C6 Virtual



Askri, A., Alkaabi, B., Alketbi, S., Alnaqbi, M., Aldhanhani, A., Ahmed, Z.F.

(United Arab Emirates University, United Arab Emirates)

"Effects of Compost Amendments on Soil Structural Stability"

SUSTAINABILITY AND ENVIRONMENT

Wednesday, 6th August 2025 | 14.30 MYT to 16.00 MYT | ZOOM BREAKOUT SESSION

Co-Chaired by Dr. Noor Hadzuin Nik Hadzir

(Faculty of Food Science and Technology, University Putra Malaysia, Malaysia)

TECHNICAL SESSION 05

14.30 - 14.45

C7 Virtual



Salahaldeen, A., Zeinaldeen, L.A.

(Department of Agricultural Machines and Equipment, College of Agricultural Engineering Sciences, University of Baghdad, Iraq)

"Design and Performance Assessment of a Hybrid Indirect Solar Dryer with Various Absorber Plate Configurations"

14.45 - 15.00

C8 Virtual



Oo, M.T.^{1,2}, Tomasi L.², Silvestri, S.², Noguchi, R.³.

(¹Department of Industrial Engineering (DII), University of Padova, Italy, ²Bioeconomy Unit, Research and Innovation Centre, Italy, ³Graduate School of Agriculture, Kyoto University, Japan)

"Evaluating Environmental Performance of Apple Production Systems in Japan: Pathways Toward Sustainable Agriculture"

15.00 - 15.15

C9 Virtual



Agusta, H.¹, Pardede, A.S.¹, Jesika, R.¹, Rosalina, Y.²

(¹Department of Agronomy and Horticulture, Faculty of Agriculture, IPB- University, Indonesia, ²Sustainability, Research & Development Division PT Sampoerna Agro, Indonesia)

"Carbon Budget Analysis of Fresh Fruit Bunch and Oil Palm Seed Production Using Life Cycle Assessment: A Comparative Approach for Sustainable Palm Industry Practices"

15.15 - 15.30

C10 Virtual



Engura, T.T., Bekele T.L., Gemedo, D.O., T.K. Kidane

(College of Agriculture and Veterinary Medicine, Jimma University, Ethiopia)

"Exploring Gender Difference in Adoption of Sustainable Agricultural Practices in Southwestern Ethiopia"

15.30 - 15.45

C11 Virtual



Kollipara, Y.V.P., El-Gayar, O.

(Dakota State University, USA)

"AI-Driven Innovations in Farming: A Systematic Literature Review on Advancing Sustainable Agriculture"

15.45 - 16.00

C12 Virtual



Mnisi, M.A.¹, Van Niekerk, J.A.²

(¹Natural and Agricultural Sciences, University of the Free State, South Africa, ²Centre for Sustainable Agriculture, Rural Development and Extension, South Africa)

"Farmers' Perceptions of Conservation Agriculture Benefits and Adoption in Mopani District, South Africa"

TECHNICAL SESSION 05

POSTER WALK AND COFFEE

Wednesday, 6th August 2025 | 16.30 MYT to 17.15 MYT | BUKIT BINTANG 1 – Level 3

Chaired By Assof Prof Dr Dzarifah Zulperi
 (University Putra Malaysia, Malaysia)

POSTER SESSION 01

P1 In-Person



Udaakhbayar, J., Taniguchi, T.

(¹The United Graduate School of Agricultural Sciences (UGSAS), Tottori University, ²International Platform for Dryland Research and Education (IPDRE), Tottori University, Japan)

"Plant Growth-Promoting Effects of *Phialocephala fortinii*"

P2 In-Person



Eltayeb, M.M.^{1,2} Eltigani, S.A.^{1,3} Taniguchi, T.¹ Ishihara, A.¹ Arima, J.¹ Elgasim, E.E.²

(¹Tottori University, Japan, ²University of Khartoum, ³Ahfad University for Women, Sudan)

"Correlations Between Microbial Community and Volatile Compounds in Berbassa, a Unique Sudanese Fermented Milk Starter"

P3 In-Person



Mohammedali, A.K.H.^{1,2}, Kamal, N.M.^{2,3}, Gorafi, Y.S.A.^{2,4}, Tahir, I.S.A.^{2,3}, Tsujimoto, H.³, Taniguchi, T.^{3,*}

(¹United Graduate School of Agricultural Sciences (UGSAS), Tottori University, Japan, ²Agricultural Research Corporation (ARC), Sudan, ³International Platform for Dryland Research and Education (IPDRE), Tottori University, Japan, ⁴Graduate School of Agriculture, Kyoto University, Japan)

"Variation in Root Traits and Root-Endophyte Interactions in Primary Synthetic Wheat Derived from *Aegilops tauschii* Collected from Diverse Soil Types"

P4 In-Person



Bakar, S. A., Che Manan, C.A.H., Rashid, Y., Nasir, M.D.M., Abidin, H., Lee, Y.P.

(FGV R&D Sdn.Bhd., Malaysia)

"Technical Evaluation and Calibration of Drone Sprayers for Pest and Disease Control in Oil Palm Plantations"

WHY PUBLISH WITH AGROFOOD 2025?



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Conference Proceedings Details

All accepted abstracts from registered participants are eligible to submit their full papers for inclusion in the Conference Proceedings of the 6th Agriculture, Food Security and Safety (AgroFood 2025).

Each published paper will be assigned a unique DOI number (DOI Prefix: 10.32789) and indexed in CrossRef. Furthermore, the Conference Proceedings will be submitted for potential indexing in SCOPUS, Thomson Reuters, and Google Scholar.

- ISSN: 2682-7158
- DOI Prefix: 10.32789
- Editor-in-Chief: Assoc. Prof. Dr. Norida Mazlan, Universiti Putra Malaysia
- Journal Link: www.ijournals.i-conferences.com



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- ✓ Agricultural Systems (Q1)

Note: Journal submissions will follow their own peer-review process and timeline.

Full Paper Submission
Deadline: August 7th, 2025

DAY 02 – THURSDAY, 7TH AUGUST 2025**09.00 – 09.30 Morning Refreshments****KEYNOTE
SESSION****Thursday, 07th August 2025 | 09.30 MYT to 10.00 MYT | BUKIT BINTANG 1 – Level 3****09.30 – 10.00 Assoc. Prof. Dr. Nor Khaizura Mahmud**

(Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia)

"Feeding the World: Ensuring Safety, Security, and Sustainability"

Khaizura Mahmud is a Senior Lecturer at the Department of Food Science, Faculty of Food Science and Technology, Universiti Putra Malaysia (UPM). She holds a Ph.D. in Food Microbiology from Massey University, New Zealand, and a Master of Science in Food Microbiology and Food Safety from UPM. With over 15 years of academic and research experience, Dr. Khaizura specializes in food microbiology, food safety, and shelf-life assessment, with a strong focus on microbial quality and contamination in food systems.

Her research encompasses microbial ecology in traditional and commercial food processing, development of food safety protocols, and the application of predictive microbiology in food quality assurance. She has led and collaborated on numerous nationally funded research projects and has published extensively in peer-reviewed journals.

Dr. Khaizura is an active member of several scientific organizations. She has received several academic and service excellence awards, reflecting her dedication to advancing food safety and microbiological research in Malaysia and beyond.

PUBLICATION WORKSHOP

Thursday, 07th August 2025 | 09.30 MYT to 10.00 MYT | BUKIT BINTANG 1 – Level 3

10.00 – 10.30

Assoc. Prof. Dr. Christopher Teh Boon Sung



(Department of Land Management, Faculty of Agriculture, University Putra Malaysia, Malaysia)

Dr. Christopher Teh earned his PhD in Agriculture from the University of Reading, UK in 2001, following his MSc and BSc degrees from Universiti Pertanian Malaysia. Since then, he has served in the Department of Land Management at UPM and currently holds the position of Associate Professor and Head of Department. With over two decades of professional experience, Dr. Teh specializes in soil physics and conservation as well as crop modeling Omics Online Biography. He has authored or co authored numerous publications—including five books, seven book chapters, more than 40 journal articles, and nearly 100 conference proceedings—and is actively engaged in promoting urban gardening through workshops and newspaper columns.

Dr. Teh also holds roles outside academia, including Research Theme Associate at Crops for the Future Research Centre (University of Nottingham, Malaysia), and serves on editorial boards for several international journals in agriculture. He is widely recognized for his contributions to teaching excellence and applied research in environmental agriculture.

10.30 – 10.45 **Q& A Session**

PLENARY SESSION

Thursday, 07th August 2025 | 11.00 MYT to 11.30 MYT | BUKIT BINTANG 1 – Level 3

11.00 – 11.30

Assoc. Prof. Dr. Rosazlin Abdullah



(Institute of Biological Sciences, University Malaya, Malaysia)

"Tackling the Ten Global Soil Threats with Biochar Innovation: Enhancing Sustainability from Soil to Harvest"

Assoc. Prof. Dr. Rosazlin Abdullah is a lecturer at the Institute of Biological Sciences (ISB), Universiti Malaya. She has over 15 years of experience in various national and international agricultural-environmental based projects and showing the most excellent research results in the field of sustainable soil management, one of the national challenges, and is leading the recent research trend in the field of biochar. She focused on advocating biochar as a promising material for soil amendment and role of biochar in mitigation of climate change. She currently serving as President of Malaysian Soil Science Society, National Focal Point for the Global Soil Partnership, Exco for Malaysian Professional Centre, Committee Member of Biochar Malaysia Association, Committee of urban neighborhood farm KL under The Kuala Lumpur City Hall, Technical Soil Quality Department of Standard Malaysia, Member of Association of Pacific Rim Universities Sustainable Waste Management (APRU SWM), Technical Committee Members, Center of Excellence for Soil Research in Asia (CESRA), and Members of the International Union of Soil Science.

FOOD SAFETY AND FOOD WASTE

Thursday, 7th August 2025 | 11.30 MYT to 12.30 MYT | BUKIT BINTANG 1 – Level 3

Chaired By Dr. Nor Khaizura Mahmud

(Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Malaysia)

TECHNICAL SESSION 06

11.30 – 11.45

D1 **In-Person**



Kushwaha, B.K., Kumar, A.

(Faculty of Law, University of Delhi, India)

"Food Standardization and Authentication: A Legal Study with special Reference to the GI Agriculture Goods in India"

11.45 – 12.00

D2 **Virtual**



AL-Badri, S.B.S., Yassen, H.T.

(University of Baghdad, Iraq)

"Control and Pareto Chart to Prolong Shelf Life of Fruits and Vegetables"

12.00 – 12.15

D3 **Virtual**



Samarajeewa, U.

(independent Researcher, Canada)

"Errors Associated with Mycotoxin Analysis Due to Heterogeneity of Mycotoxin Accumulation and Related Sampling Problems"

12.15 – 12.30

D4 **Virtual**



Shaihaldein, H.O., Alsubaie, Q.D., Saad M., Akasha, M.

(National Research and Development Center for Sustainable Agriculture (Estidamah) Al Khwarizmi Avenue, King Saud University, Saudi Arabia)

"Evaluation of Agronomic Traits, Yield, and Nutritional Quality of Seven Quinoa Varieties Under Arid Environmental Conditions in Saudi Arabia"

12.30 – 12.45

D5 **In-Person**



Afidah A.T.

(Universiti Putra Malaysia, Malaysia)

"EXTRACTION OF PHENOLIC COMPOUNDS FROM BANANA INFLORESCENCE (*Musa acuminata*) UTILISING SUPERCRITICAL CARBON DIOXIDE"

12.45 – 13.30 **Lunch**

POSTER SESSION 2

Thursday, 7th August 2025 | 13.30 MYT to 14.20 MYT | BUKIT BINTANG 1 – Level 3

Chaired By Prof Rosazlin Abdullah
 (University of Malaya, Malaysia)

POSTER SESSION 02

13.30 – 13.40

P5 Virtual



Pullaniyil, J., Francis, D., Kaur, N., El Mahi, M., Ahmed, Z.

(Integrative Agriculture Department, College of Agriculture and Veterinary Medicine (CAVM), United Arab Emirates University (UAEU))

"Biochemical Analysis of Mature Date Palm Fruit Astringency: Toward Fruit Quality Improvement"

13.40 – 13.50

P6 Virtual



López-Alfaro, I., Santamaría Aquilué, P., Gutiérrez Viguera, A.R., Esteban Tercilla, A., Ojeda García, S., Benito Castellanos, A., González-Arenzana, L.

(ICVV, Instituto de Ciencias de la Vid y del Vino (Gobierno de La Rioja, Universidad de La Rioja, CSIC), Logroño, (La Rioja), Spain)

"Evaluation of Alternatives to Sulfur Dioxide for Microbiological Control in Winemaking"

13.50 – 14.00

P7 Virtual



Bekele, R.^{1,2}, Joseph, H.², Kee – Tui, S.H.³, Mwendia, S.⁴, An, N⁴

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"Multi-Purpose Forages Potential to Enhancing Mixed Smallholder Farming Productivity and Food Security in Malawi"

14.00 – 14.10

P8 Virtual



Moeketsi, T., Mayekiso, A., Toko, A.

(Department of Agricultural Economics Extension and Agribusiness, University of Fort Hare, South Africa)

"Socioeconomic Factors Affecting Smallholder Farmers' Access to Formal Financial Credit in Selected Rural Areas of Alice Town, South Africa"

14.10 – 14.20

P9 Virtual



Toko, A., Mayekiso, A., Mamabolo, M.

(Department of Agricultural Economics Extension and Agribusiness, University of Fort Hare, South Africa)

"Willingness to Pay for Fodder Seed Technology: Price Sensitivity and Adoption Barriers Among Small-Scale Livestock Farmers in OR Tambo District Municipality, South Africa"

**KEYNOTE
SESSION**Thursday, 7th August 2025 | 14.30 MYT to 15.00 MYT | BUKIT BINTANG 1 – Level 3

13.00 – 14.00

Dr. M. Karthikeyan

*(Associate Professor, Plant Pathology, Department of Plant Pathology
Centre for Plant Protection Studies, Tamil Nadu Agricultural University
India)*

**"Harnessing Mycoparasites for Plant Disease Management: An
Innovative Approach"**

Dr. M. Karthikeyan is an Associate Professor in Plant Pathology and Adjunct Professor, University of Southern Queensland, Toowoomba, Australia, with a B.Sc. (Hort.) in 1996, M.Sc. (Agri.) in Plant Pathology in 1999, and a Ph.D. in Plant Pathology in 2004 from Tamil Nadu Agricultural University, Coimbatore. With over 20 years of research experience in conventional and molecular plant pathology, mycotoxin related issues. Dr. Karthikeyan has received 30 awards at State and National levels. Notable accolades include the Dr. P.C. Sundarababu Prize for the Best Ph.D. thesis, DST-Young Scientist, Young Indian Researcher by the University of Turin, UGC-Research Award, UGC-Raman Fellow, TNAU-Best Researcher Award, Professor MS Swaminathan Best Scientist Award, and ICAR-LASM Award. His scholarly contributions comprise 90+ research papers, 50 book chapters, and 40 books at national and international levels.

**CLOSING
CEREMONY**Thursday, 7th August 2025 | 15.00 MYT to 15.30 MYT | BUKIT BINTANG 1 – Level 3

15.00 – 15.20

Conference Concluding and Awarding Ceremony

15.20 – 15.30

Vote of Thanks

Rishani Silva (Head of Marketing, iConferences, Sri Lanka)

RESEARCH FUND PROJECT

EMPOWERING VOICES IN AGRICULTURAL AND FOOD RESEARCH

About the Project

The Research Fund Project is a collaborative initiative launched by iConferences, with proud support from the International Centre for Research (ICR), to foster equity and inclusion in global academic dialogue.

This fund was created to support underrepresented researchers - especially from developing countries - who face financial barriers to participating in international academic forums. We believe that diverse perspectives are essential to solving the world's most urgent challenges in agriculture, food security, climate change, and rural development.

Objectives

- Enable talented researchers to present at international conferences
- Provide support for travel, accommodation, and registration fees
- Promote high-quality research through access to publication opportunities
- Bridge the gap between under-resourced researchers and global networks

Who It Supports

The Research Fund Project prioritizes support for:

- ▶ Early-career researchers and postgraduate students
- ▶ Participants from low- and middle-income countries
- ▶ Scholars whose work aligns with the Sustainable Development Goals (SDGs)
- ▶ Researchers addressing issues in agri-food systems, rural livelihoods, and environmental sustainability

2026 Focus Area: AgroFood Systems & Climate Resilience

In 2026, the fund is supporting scholars whose research addresses:

- Regenerative agriculture and soil health improvement
- Food security and resilient supply chains
- AI and digital innovation in agri-food systems
- Climate-resilient crops and precision farming
- Sustainable fisheries and aquaculture
- Gender equity in rural agricultural development
- Indigenous knowledge and agrobiodiversity conservation



How to Apply?

Applications for the 2026 funding round will open in early 2026. To learn more about the eligibility criteria and application process, please visit: www.i-conferences.com



Make an Impact

We invite academic institutions, donors, and publishing partners to join us in expanding this fund and empowering more voices in agriculture and food research.

For partnership or sponsorship opportunities, contact: info@i-conferences.com

HALL OF FAME

To celebrate academic excellence and meaningful contributions to our scholarly community, we proudly introduce the 'Hall of Fame' section in our conference programme. This year, we honor our Best Reviewer whose expertise and dedication have elevated the quality of submissions and peer review.

At AgroFood 2025, we are proud to celebrate individuals who go above and beyond to uphold the spirit of academic excellence. One such contributor is Dr. Fatiha Hakimi, who was recognized as the Best Reviewer of this year's conference for her thoughtful evaluations and unwavering commitment to scientific rigor.



BEST REVIEWER 2025



Prof. Fatiha HAKIMI, PhD. Eng

*(Department of Plant Production, Protection and Biotechnology. Hassan II
Institute of Agronomy and Veterinary Medicine Rabat, Morocco)*

Prof. Hakimi has been instrumental in providing insightful, constructive, and timely reviews that have significantly contributed to the academic integrity of this year's conference. Her support has helped shape the AgroFood Conference 2025 into a credible platform for scholarly exchange.

Spotlight on Excellence: In conversation with Dr. Fatiha Hakimi

In this exclusive interview, Dr. Fatiha Hakimi, shares her journey, insights, and advice for researchers across the globe.

Q. Can you briefly introduce yourself and your current academic role?

A. I am Dr. Fatiha Hakimi, Associate Professor at the Hassan II Institute of Agronomy and Veterinary Medicine in Rabat, Morocco, within the Department of Plant Production, Protection, and Biotechnology. My academic and research work focuses on sustainable agricultural systems, integrating agroecological practices, efficient resource management, and resilience in urban and peri-urban agriculture. In addition to teaching and supervising theses, I participate in various national and international research projects and scientific committees.

Q. What inspired you to pursue a career in your field of expertise?

A. Growing up in a semi-arid region, I witnessed firsthand the challenges that farmers face due to climate variability and resource constraints. This experience sparked my interest in finding practical, science-based solutions to make agriculture more sustainable and resilient, especially for small-scale farmers. My academic path, combining agronomy and environmental sciences, has allowed me to pursue this passion through research, teaching, and community engagement.

Q. What motivates you to engage in peer review for academic conferences and journals?

A. Peer reviewing is an essential part of the scientific process. It allows me to stay up to date with new research developments, contribute to maintaining scientific rigor, and support fellow researchers in improving the quality of their work. I see it as a form of academic responsibility and also an opportunity for mutual learning.

Q. What do you usually look for when reviewing a research paper or abstract?

A. I pay close attention to the clarity of the research question, the relevance of the topic, the soundness of the methodology, and the coherence of the results and conclusions. I also value originality, scientific rigor, and how the work contributes to solving real-world challenges in agriculture or food systems.

Q. What was your experience like reviewing submissions for AgroFood Conference 2025 and iConferences?

A. It was a rewarding experience. I was impressed by the diversity of themes and the level of innovation presented in many submissions. Reviewing for these conferences allowed me to engage with emerging ideas and provide constructive feedback to help researchers enhance the clarity and impact of their work.

Q. In your opinion, what makes a submission stand out?

A. A strong submission is one that addresses a relevant problem with a clear objective, presents a robust methodology, and delivers meaningful results. What really stands out is when the authors can link their findings to broader implications, such as sustainability, policy, or practical application for farmers or stakeholders.

Q What are the most pressing or exciting research areas in agriculture and food systems today?

- A. Some of the most critical areas include climate-smart agriculture, agroecological transition, food system resilience, and digital innovations for precision farming. There is also a growing need to address sustainability in urban and peri-urban contexts and to better support smallholder farmers through inclusive and adaptive technologies.

Q How can early-career researchers improve their academic writing and presentation skills?

- A. Practice and feedback are key. I encourage young researchers to read widely, attend scientific events, and engage with peers and mentors. Participating in writing workshops, publishing with co-authors, and presenting at conferences can help them develop clarity, structure, and confidence in their academic communication.

Q What advice would you give to students considering a career in academia or research?

- A. Stay curious, be persistent, and align your research with real-world challenges. Academia offers a unique platform to create impact through knowledge, but it also requires resilience and continuous learning. Surround yourself with a strong support network and seek opportunities to collaborate across disciplines and borders.

Q Any final message you'd like to share with the global research community?

- A. Collaboration and knowledge-sharing are more crucial than ever to address the complex challenges facing agriculture and food systems. I encourage researchers across the globe to embrace interdisciplinary approaches, engage with stakeholders, and work collectively to build resilient and sustainable futures for our communities and ecosystems.

Upcoming Conferences

MAY 08 - 09 2026	International Conference on SUSTAINABLE DEVELOPMENT GOALS ONLINE
	International Conference on CLIMATE CHANGE AND SUSTAINABILITY ONLINE
APRIL 02 - 03 2026	International Conference on ARTIFICIAL INTELLIGENCE & SOCIETY ONLINE
	International Conference on CONFERENCE ON CANCER AND ONCOLOGY ONLINE
SEPTEMBER 19 - 20 2025	6 th International Conference on GERONTOLOGY AND GERIATRIC MEDICINE Bangkok, Thailand
	7 th International Conference on PUBLIC HEALTH AND WELL-BEING Bangkok, Thailand
OCTOBER 24 - 25 2025	4 th International Conference on EDUCATION, TEACHING AND LEARNING Bangkok, Thailand