MESSAGE FROM THE CONFERENCE CHAIR – AGROFOOD 2026



It is my great pleasure to welcome you to the 7th International Conference on Agriculture and Food (AgroFood 2026). Over the years, AgroFood has grown into a vibrant platform that brings together researchers, industry professionals, policymakers, and students to exchange knowledge, foster collaborations, and address the evolving challenges facing the agri-food sector. This year's theme, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World," reflects our shared commitment to developing innovative and science-based solutions for resilient and sustainable food systems.

The increasing impacts of climate change, food insecurity, emerging food safety risks, and rapid technological advancements demand interdisciplinary collaboration and collective action. AgroFood 2026 provides an opportunity to showcase cutting-edge research, encourage meaningful dialogue, and strengthen partnerships that translate scientific discoveries into practical solutions for society.
I would like to express my sincere appreciation to our keynote speakers, presenters, reviewers, sponsors, organising committee, academic partners, and all participants for their invaluable contributions and unwavering support. Your dedication continues to shape AgroFood into a dynamic international conference that promotes excellence in agricultural and food research.

I hope this conference inspires new ideas, meaningful collaborations, and lasting partnerships that will contribute to a more resilient, safe, and sustainable agri-food future.
I wish you a productive and rewarding conference.

Assoc. Prof. Dr. Nor Khaizura Mahmud @ Ab Rashid
Conference Chair,
AgroFood 2026

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2026

On behalf of the Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia, we are delighted to be partnering with iConferences, Sri Lanka, for the 7th International Conference on Agriculture, Food Security, and Food Safety (AgroFood 2026).

CEBAR's core vision is to be a world-class research centre for agricultural biotechnology, dedicated to advancing a sustainable bioeconomy. This mandate aligns perfectly with this year's timely and critical conference theme for AgroFood 2026: "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World."

As we face unprecedented global climate disruptions, the vulnerability of our food systems has never been more apparent. At CEBAR, our research focuses on leveraging cutting-edge biotechnology to engineer climate-resilient crops, enhance food safety, and pioneer sustainable agricultural practices. We believe that modern biotechnology is not just a scientific tool, but a vital shield to protect global food security against environmental volatility.

Our partnership with AgroFood 2026 reflects a shared commitment to the United Nations Sustainable Development Goals (SDGs), particularly SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals). Addressing these complex global challenges requires breaking down silos. This conference serves as a premier platform for the cross-border sharing of knowledge, bringing together researchers, policymakers, and industry leaders to translate scientific discoveries into actionable, real-world solutions.

Through this collaboration, we hope to foster deep networks, inspire new joint research initiatives, and empower the next generation of agricultural innovators. We wish all the participants, presenters, and organizers a highly fruitful and inspiring conference. Together, let us cultivate a more resilient, safe, and sustainable future for global agriculture.

Associate Professor Dr Tan Boon Chin (Director),
Prof Jennifer Ann Harikrishna (Former Director)
Associate Professor Rosazlin Abdullah

Centre for Research in Biotechnology for Agriculture (CEBAR)
Universiti Malaya, Malaysia

MESSAGE FROM THE ACADEMIC PARTNER AGROFOOD 2026

UNIVERSITY OF AGRICULTURE
FAISALABAD- PAKISTAN

On behalf of University of Agriculture Faisalabad Pakistan, I am delighted to extend our warmest greetings to all participants of the 7th International Conference on Agriculture, Food Security, and Food Safety 2026 (AgroFood 2026).

In an era marked by significant climate challenges, the theme of this year's conference, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World," is both timely and critical. The need for robust, sustainable, and technologically advanced food systems has never been more urgent. Events like AgroFood 2026 are invaluable platforms for fostering the international collaboration and knowledge exchange necessary to tackle these global
issues.

As academics, researchers, and industry leaders convene in Kuala Lumpur and online,
we are presented with a unique opportunity to share insights and forge partnerships
that will shape the future of agriculture. We commend the organizers for bringing together such a distinguished panel of speakers and for providing strong publication
opportunities that will amplify the impact of the research presented.

The University of Agriculture Faisalabad Pakistan is proud to support this important initiative. We look forward to the outcomes of the discussions and the innovative solutions that will emerge from this gathering, and we reaffirm our commitment to contributing to a more secure and sustainable agri-food landscape for all.

Wishing you a successful and insightful conference.

Sincerely,

Dr. Muhammad Azhar Ali
Department of Food Engineering
University of Agriculture Faisalabad
Pakistan.

MESSAGE FROM THE HOSTING PARTNER AGROFOOD 2026

INTERNATIONAL CENTRE FOR RESEARCH

Dear Distinguished Speakers, Researchers, Academics, Students, and Delegates,

It is with great pleasure that I welcome you to the 7th International Conference on Agriculture, Food Security, and Food Safety (AgroFood 2026).

On behalf of the International Centre for Research (ICR), it is an honor to welcome you to this global forum dedicated to advancing scholarship and dialogue in Agriculture, Food security and Food Safety. Guided by this year's theme, "Strengthening Agri-Food Resilience: Technology, Safety and Sustainability in the Climate-Challenged World", the conference brings together diverse perspectives to foster collaboration, promote scientific innovation, and explore transformative approaches to sustainable agriculture, food technology, and resilient food systems in response to global challenges. As the world faces growing challenges related to food security, sustainable agriculture, climate change, and nutrition, research and collaboration are essential for developing innovative and sustainable solutions. The AgroFood 2026 provides a multidisciplinary platform for researchers, academicians, industry experts, and policymakers to share knowledge, present cutting-edge research, and foster collaborations that advance agriculture, food science, and sustainable food systems.

I would also like to express my sincere appreciation to iConferences, the organizing body of this conference, for its dedication and professionalism in bringing together an outstanding international community of scholars and professionals. Through their commitment to excellence in conference management, participants from around the world are provided with an engaging platform for learning, collaboration, and networking. The abstracts presented in this volume reflect the breadth, diversity, and quality of contemporary research in agriculture, food technology and food safety. They demonstrate the collective commitment of our contributors to advancing knowledge, promoting inclusive dialogue, and generating evidence that informs policy, education, and practice across disciplines and communities.

I encourage you to actively participate in the keynote sessions, technical presentations, panel discussions, networking opportunities, and collaborative exchanges throughout the conference. May these interactions inspire new ideas, meaningful partnerships, and lasting contributions to the advancement of agriculture, food technology.

Thank you for joining us and for contributing your expertise to AgroFood 2026. I wish you a rewarding, thought-provoking, and memorable conference experience.

Thulakshana Liyanage
Founder & Executive Director
International Centre for Research (ICR)

Founder & Director
iConferences (Pvt) Ltd

TECHNICAL PROGRAM

DAY 01 - TUESDAY, 4TH AUGUST 2026

08.00 - 09.00 **Conference Registration**

INAUGURATION SESSION Tuesday, 04th August 2026 | 09.00 MYT to 09.40 MYT| HALL NUMBER

09.00 - 09.10 **Welcome Address by the Conference Convener**



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

09.10 - 09.20 **Welcome Address by the Conference Chair**



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

09.20 - 09.30 **Welcome Address by the Academic Partner**

Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya

09.30 - 09.40 **Welcome Address by the Academic Partner**

University of Agriculture Faisalabad Pakistan

KEYNOTE FORUM Tuesday, 04th August 2026 | 09.45 MYT to 10.15 MYT | HALL NUMBER

09.45 – 10.15

Prof. Dr. Jennifer Ann Harikrishna



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

"Going Bananas! How Biotechnology Can Support Food Security for the World's Most Consumed Fruit"

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.

10.15 – 10.25 **Conference Group Photograph**

10.25 – 10.45 **Morning Refreshments**

KEYNOTE FORUM Tuesday, 04th August 2026 | 10.45 MYT to 11.15 MYT | HALL NUMBER

10.45 – 11.15



Assoc. Prof. Dr. Rosazlin Abdullah

(Institute of Biological Sciences, University Malaya, Malaysia)

"The Foundation for Plant Resilience and Sustainable Agri-Food Systems"

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.

TECHNICAL SESSION 01

Agricultural Biotechnology, Crop Improvement and Climate Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.45 MYT | HALL NUMBER

Chaired By Session Chair
(-)

11.15 - 11.30 A1 In-Person



Nasuha, A., Ali, M., Afrin, S., Bhuiyan, M. N. I.

(Jagannath University, Bangladesh)

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

11.15 - 11.30 A2 In-Person



Lau, S. E.1,2, Tan, B. C.1

(1Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia

2UM Agroforestry, Universiti Malaya, Malaysia)

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

11.45 - 12.00 A3 In-Person



Amnan, M.A.M, Teo, W.F.A, Aizat, W.M, Khaidizar, F.D, Tan, B.C

(Centre for Research in Biotechnology for Agriculture (CEBAR), Universiti Malaya, Malaysia)

"Oil Palm Wood Vinegar as A Foliar Biostimulant Improves Drought Stress Tolerance in Pandanus amaryllifolius"

Agricultural Biotechnology, Crop Improvement and Climate Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.45 MYT | HALL NUMBER

Chaired By Session Chair
(-)

TECHNICAL SESSION 01

12.00 – 12.15 A4 In-Person



Ali, A. Safdar, M.E. Nadeem, M.A. Qamar, M.R.

(University of Sargodha, Pakistan)

"Effect of Soil and Foliar Application of Potassium and Zinc on Hybrid Maize (Zea mays L.) Productivity"

12.15 – 12.30 A5 In-Person



Jabar, N. A. A.

"Green Synthesis and Optimisation of Silver Nanoparticles Derived from Bentong Ginger (Zingiber officinale Roscoe) Extract"

12.30- 12.45 A6 In-Person



Tehseen, M.[1], Khan, T.A.[1], Zang, X.[1], Cao, Z.[1], Hu, L.[1], Zhou, C.[1], Wang, L[1,2]

([1]College of Horticulture and Landscape Architecture, Yangzhou University, China
[2]Key Laboratory of Plant Functional Genomics of the Ministry of Education, Agricultural College of Yangzhou University, Yangzhou, China)

"Green-synthesized zinc oxide (ZnO) nanoparticles alleviate drought stress in rough lemon (Citrus jambhiri L.) rootstock"

TECHNICAL SESSION 02

Food Security, Food Systems and Community Resilience

Tuesday, 4th August 2026 | 11.15 MYT to 12.30 MYT | HALL NUMBER

Chaired By Session Chair
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11.15 – 11.30 B1 Online



Jayathilake, H.D.

(University of Peradeniya, Sri Lanka)

"Groundwater Quality Assessment for Sustainable Agriculture in Kalpitiya, Sri Lanka"

11.30 – 11.45 B2 Online



Kuku, A.A.

(Federal University of Agriculture Abeokuta, Ogun State, Nigeria)

"Post-harvest Tomato Losses, Coping strategies, and Food Security among Value Chain Actors in Nigeria"

11.45 – 12.00 B3 Online



O'Fiachra, J.T.

(University College Dublin, Ireland)

"The Nemeton: A Climate-Independent, Self-Sufficient Food Solution"

12.00 - 12.15 B4 Online



Mnisi, M.A[1,2], Nesengani T.J[1,2], Zwane E.M[1,2]

([1]Department of Agricultural and Environmental Sciences, Faculty of Science and Agriculture, University of Limpopo, South Africa

[2]Centre for Rural Community Empowerment, South Africa)

"The Nemeton: A Climate-Independent, Self-Sufficient Food Solution"

12.15 – 12.30 B5 Online



Vaillancourt, A., Ray, L., Loukes, K., Neegan, D.

(Lakehead University, Ontario, Canada)

"Exploring the Impact of a Government Food Subsidy Program on Food Security within Remote First Nation Communities in Northern Canada"

POSTER SESSION

Tuesday, 4th August 2026 | 12.45 MYT to 13.45 MYT | HALL NUMBER

Chaired By Session Chair
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POSTER SESSION

P1 In-Person



Kashyap, S, Rao, N.

(Solidaridad Regional Expertise Centre, India)

"Reconnecting Production and Consumption to Improve Nutritional Security"

P2 In-Person



Rabai, K.A., Chong, J.

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Performance of Asparagus officinalis L. Varieties under Shade Structure and Open Field Conditions in a Farmer Field Trial in Bario, Sarawak"

P3 In-Person



William, F.A. , Sallehudin, R.B., Mangga, G.K.A

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Optimising Flowering Induction for Sarawak Gold (SG1) Pineapple Agronomic Practices"

P4 In-Person



Mangga, G.K.A., Rabai, K.A., William, F.A., Bostamam, Y.B., Umar, S.B., Chong, J.

(Northern Region Agriculture Research Centre, Kabuloh, Miri, Department of Agriculture Sarawak, Malaysia)

"Purification of Adan sederhana Seeds for Quality Bario Rice Production lin Sarawak, Malaysia"

P5 In-Person



Pokatong, W.D.R., Salim, S.

(Food Technology Department, Universitas Pelita Harapan, Indonesia)

"Partial Substitution of Wheat Flour with Heat-Moisture-Treatment Modified Cowpea Flour Affected Physicochemical and Sensory Properties of Straight-Dough Prepared Pan Bread"

KEYNOTE FORUM Tuesday, 04th August 2026 | 15.00 MYT to 15.30 MYT | HALL NUMBER

15.00 – 15.30

Prof. Dr. Fatiha Hakimi



(Hassan II Institute of Agronomy and Veterinary Medicine, Rabat, Morocco)

"Future of Food Security Round table"

Associate Professor Fatiha Hakimi is an agronomist whose work centers on advancing sustainable and resilient agricultural systems through the integration of agroecological principles and optimized resource management strategies.

With a PhD from Ibn Zohr University in Morocco, a Master's degree from the University of Catania in Italy, and an Agronomy Engineer diploma from the Hassan II Institute of Agronomy and Veterinary Medicine, Dr. Hakimi has a comprehensive background in agronomy. Her research focuses on the sustainability of agricultural production systems, aiming to promote eco-friendly, economically viable solutions for farming. Her work explores methods like crop diversification, soil conservation, and water and input management to improve agricultural efficiency while preserving the environment.

13.45 – 14.15 **Lunch**

TECHNICAL SESSION 03

Sustainability, One Health and Agricultural Systems

Tuesday, 4th August 2026 | 15.30 MYT to 16.45 MYT | HALL NUMBER

Chaired By Session Chair
(-)

15.30 – 15.45 C1 In-Person



Al-Yahyai, R.A., Al-Habsi, N.A.

(College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman)

"Olive: Innovation in Value Addition and Expansion in Oman"

15.45 – 16.00 C2 In-Person



Streimikis, J.

(Vytautas Magnus University, Lithuania)

"Comparative Methodological Challenges in Agricultural Sustainability Assessment under the Low-Carbon Transition"

16.00 – 16.15 C3 In-Person



Ali, M. A.

(University of Agriculture Faisalabad, Pakistan)

"Effect of Maltodextrin on Flowability and Compaction of Freeze-Dried Ambarella and Key Lime Powders"

16.15 – 16.30 C4 In-Person



Eltai, N.O.

(Biomedical Research Centre, Qatar University, Qatar)

"AMR at the Poultry–Environment Interface: Evidence of Undetected Transmission in a One Health Commercial Intensive Broiler Farm "

16.30 – 16.45 C5 In-Person



Sujianto, S.TP., M.Abm

(Department of Agribusiness, IPB University, Indonesia)

Strengthening Certification System in Organic Rice Governance: An Institutional Economics Value Chain Upgrading Strategies

TECHNICAL SESSION 04

Sustainability, One Health and Agricultural Systems

Tuesday, 4th August 2026 | 15.30 MYT to 16.45 MYT | HALL NUMBER

Chaired By Session Chair
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15.30 – 15.45 D1 Online



Rani, M.H., Gupta, R.

(Bangladesh Institute of Nuclear Agriculture, Bangladesh)

"Genotypic Variation in Growth and Yield Responses to Thermal Time and Photoperiod in Rainfed Rice Under Delayed Transplanting"

15.45 – 16.00 D2 Online



Aryadi, M. R., Abdurrahman, M. A., Irmawaty, R.

(Civil Engineering Department, Universitas Hasanuddin, Indonesia)

"Modeling Agricultural Land Conversion Using Logarithmic Regression: Evidence from Maros Regency, Indonesia"

16.00 – 16.15 D3 Online



Mphana, Z., **Mayekiso, A.**, Skhephu, A., Tafeni, N.V., Gwala, L.

(Department of Agricultural Economics, Extension and Agribusiness, University of Fort Hare, Private Bag X1314, Alice, 5700, South Africa)

"Profiling of Value Chain Actors for Smallholder Broiler Farming in Buffalo City Municipality, South Africa: A SWOT Analysis Approach"

16.15 – 16.30 D4 Online



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

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

"Evaluating Factors Influencing the Adoption of Climate-Smart Practices for Enhanced Climate Resilience Among Smallholder Farmers in Eastern Cape, South Africa"

16.30 – 16.45 D5 Online



Lumsdon-Taylor, M.J.

(MHA, Baker Tilly International, United Kingdom)

"Who Captures the Price? Buyer Power, Regulatory Design, and the Structural Redistribution of Value in Global Agri-Food Chains"

DAY 02 - WEDNESDAY, 5TH AUGUST 2026

KEYNOTE FORUM Wednesday, 05th August 2026 | 09.00 MYT to 09.30 MYT | HALL NUMBER

09.00 – 09.30

Assoc. Prof. Dr. Christopher Teh Boon Sung



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

"Weather Generator for Crop Modeling"

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.

Artificial Intelligence, Digital Agriculture and Agricultural Analytics

Wednesday, 5th August 2026 | 09.30 MYT to 11.00 MYT | HALL NUMBER

Chaired By Session Chair
(-)

TECHNICAL SESSION 05

09.30- 09.45 E1 In-Person



Hong, D.Y.[1], Kuo, C.Y.[1], Chen, C. H.[2], Chang, C. Y.[1]

([1]National Pingtung University of Science and Technology, Bachelor of Program in Scientific Agriculture
[2]National Pingtung University of Science and Technology, Department of Biomechatronics Engineering, Taiwan)

"Genotypic Variation in Growth and Yield Responses to Thermal Time and Photoperiod in Rainfed Rice Under Delayed Transplanting"

09.45 – 10.00 E2 In-Person



Mahajan, D., Pathania, R., Faldu, P., Salman, M., Ghike, S., Rao, S.,Tyagi, M., Tripathi Mani, JP

(Wadhwani AI (Lords Education and Health Society), India)

"Building and Validating Expert-Grounded Question-Answer Datasets for Precision Agriculture Advisories in Low-Resource Settings"

10.00 – 10.15 E3 In-Person



Chen, C. H.[1], Hong, D.Y.[2], Kuo, C.Y.[2], Chang, C. Y.[2]

([1]National Pingtung University of Science and Technology/ Department of Biomechatronics Engineering
[2] National Pingtung University of Science and Technology/ Bachelor of Program in Scientific Agriculture,Taiwan)

"An AI-Based Thermal Imaging System for Real-Time Piglet Monitoring and Early Hypothermia Warning in Farrowing Pens"

10.15 – 10.30 E4 In-Person



Rawat. R. K.[1] , Krishna, A.[1], Mukherjee, D.[2]

([1]Department of Management Studies and Industrial Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand
[2]School of Economics and Public Policy, RV University, Bengaluru, Karnataka, India)

"Estimating the Technical Efficiency of Agricultural Information Adopter Farmers of Maize Crop in India"

TECHNICAL SESSION 05

Artificial Intelligence, Digital Agriculture and Agricultural Analytics

Wednesday, 5th August 2026 | 09.30 MYT to 11.00 MYT | HALL NUMBER

Chaired By Session Chair
(-)

10.30 – 10.45 E5 In-Person



Parra Acosta, Y. K., Mancera Barrero, N., Ninco Hernandez, F. A.

(Nueva Granada Military University, Colombia)

"Cybersecurity and System Integration as Determinants of Export Competitiveness in Floriculture"

10.45 – 11.00 E6 In-Person



Perween, K., Krishna, A.

(Department of Management Studies and Industrial Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Jharkhand, India)

"Analysing Rice Production Efficiency Using Window Dea and Fractional Regression Model: Evidence from India"

TECHNICAL SESSION 06

Digital Agriculture, AI and Climate-Smart Farming

Wednesday, 5th August 2026 | 09.30 MYT to 10.45 MYT | HALL NUMBER

Chaired By Session Chair
(-)

09.30 - 09.45 F1 Online



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

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

"The Impact of Digital Technologies on Smallholder Farmers' Welfare Outcomes in the Eastern Cape, South Africa"

09.45 - 10.00 F2 Online



Thomas, C. M.[1], Nair, A.[2], Somasundaram, K.[3]

([1]Department of Mathematics, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Kochi, India
[2]Amrita School for Sustainable Futures, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, Kerala, India.
[3]Department of Mathematics, Amrita School of Physical Sciences, Amrita Vishwa Vidyapeetham, Coimbatore, India)

"A Hybrid Metaheuristic Approach for Prediction of Paddy and Coconut Yields in Kerala for Advancing Sustainable Agriculture"

10.00 – 10.15 F4 Online



Patel, A., Jyotheeswar, B., Gupta, A., Singh, A.

(Visvesvaraya Technological University, India)

"FarmPulse AI: Pulse Price Prediction Using Random Forest, ARIMA, and LSTM Models"

10.15 – 10.30 F5 Online



Gwala, L., Tafeni, N.V.

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

"Use of Digital Tools and Crop Residues for Improved Agriculturalpractices and Climate Change Adaptation -A Focus an Communal Farmers in Eastern Cape, South Africa"

10.30 – 10.45 F6 Online



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

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

"Contribution of Digital Platforms on Crop Insurance Accessibility for Smallholder Farmers in the Eastern Cape, South Africa"

10.45 - 11.00 **Morning Refreshments**

KEYNOTE FORUM Wednesday, 05th August 2026 | 11.00 MYT to 11.30 MYT | HALL NUMBER

11.00 – 11.30



Dr. Amna Sahar

(Department of Food Engineering, University of Agriculture Faisalabad, Pakistan)

"Food Waste Reduction through Valorization of Halal Meat Industry By-Products "

Prof. Dr. Amna Sahar is a tenured Professor in the Department of Food Engineering at the University of Agriculture Faisalabad, Pakistan. Her research focuses on the application of non-destructive analytical techniques and chemometrics for assessing food quality, authenticity, and safety.

She earned her Master's degree from Université Européenne de Bretagne (UEB), Rennes, France, followed by a Ph.D. from Agrocampus Rennes, France, and completed her Postdoctoral Fellowship at Teagasc Food Research Centre, Dublin, Ireland. Throughout her distinguished academic career, she has published more than 70 peer-reviewed research articles with a cumulative impact factor exceeding 350, supervised numerous M.S. and Ph.D. students, and secured multiple national and international research grants.

Prof. Sahar is the recipient of several prestigious awards, including the Higher Education Commission (HEC) Best Research Paper Award and multiple best presentation awards at national and international conferences. Her international academic engagements include serving as a Visiting Professor and Research Fellow in France and Malaysia. She has also served as Chairperson of the Department of Food Engineering and is currently serving as Director of the Quality Enhancement Cell (QEC) at the University of Agriculture Faisalabad, where she contributes to advancing academic excellence and quality assurance in higher education.

Food Processing, Product Development and Crop Health

Wednesday, 5th August 2026 | 11.30 MYT to 12.15 MYT | HALL NUMBER

Chaired By Session Chair
(-)

TECHNICAL SESSION 07

11.30- 11.45 G1 In-Person



Sandy, Y. A., Abadi A. L., Aini, L. Q. Syib'li, M. A.

(Department of Plant Pests and Diseases, Faculty of Bio-industry, Agriculture and Forestry, Universitas Brawijaya, Malang, Indonesia)

"Species Diversity, Phylogenetic Relationships, and Pathogenicity of colletotrichum spp. Causing Apple Anthracnose in Tropical Highland Orchards of Indonesia"

11.45 – 12.00 G2 In-Person



Padmanabhan, K., Wan Nur Najibah, W. A., Chong, K.H., Nor Azmiraah, A. J., Shan, J., Wanyu, P., Nor-Khaizura, M.A.R

(Faculty of Food Science and Technology, Universiti Putra Malaysia, Selangor, Malaysia
Laboratory of Food Safety and Food Integrity, Institute of Tropical Agriculture and Food Security, Universiti Putra Malaysia, Selangor, Malaysia)

"Effects of Fermentation Conditions on the Physicochemical and Microbiological Properties of Probiotic-Fermented Tomato Juice"

11.45 – 12.00 G3 In-Person



W. Donald R. Pokatong, Ph.D.

(Food Technology Department, Universitas Pelita Har, Indonesia)

"Partial Substitution Of Wheat Flour With Heat-moisture-treatment Modified Cowpea Flour Affected Physicochemical And Sensory Properties Of Straight-dough Prepared Pan Bread"

12.00 – 12.15 G4 In-Person



Khan, T. A.[1], Munir, M.[2], Tehseen, M.[1]

([1]Department of Horticulture, College of Horticulture and Landscape Architecture, Yangzhou University, China
[2]Department of Botany, University of the Punjab, Lahore, Pakistan)

"Guar Gum Coating Improves Pre-Storage Quality of Ber Fruit Cultivars"

Food Technology, Functional Foods and Product Innovation

Wednesday, 5th August 2026 | 11.30 MYT to 12.30 MYT | HALL NUMBER

Chaired By Session Chair
(-)

TECHNICAL SESSION 08

11.30- 11.45 H1 Online



Dhakal, S. P., Shahiduzzaman, S., Sultan, P. & Tarafder, T.
(University of New England, Armidale, Australia)
"The Quest for Organic Labelling in Australia"

11.45 – 12.00 H2 Online



Rukshika, J.A., Samarasinghe, R. Y. B. D. C., Illippangama, Ashinshana U., Rathnayake, H. A.
(University of New England, Armidale, Australia)
"The Quest for Organic Labelling in Australia"

12.00 – 12.15 H3 Online



Görgüç, A., Aydın, C.
(Aydın Adnan Menderes University, Engineering Faculty, Food Engineering Department, Türkiye)
"Formulation Optimization and Functional Characterization of A Plant-Based Spread Product Containing Banana Peel, Watermelon and Oleaster Seeds"

12.15 – 12.30 H4 Online



Aggarwal, A., Verma, T.
(Department of Dairy Science and Food Technology, Institute of Agricultural Sciences, Banaras Hindu University, Uttar Pradesh, India)
"Circular Food System Approach for Food Security: Development of Nutrient-Enriched Black Wheat–Whey Instant Idli Mix"

12.30 – 12.45 **Conclusion Remarks**

12.45 – 13.00 **Awarding Ceremony**

Vote of Thanks

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 2026, we are proud to celebrate individuals who go above and beyond to uphold the spirit of academic excellence. One such contributor is Dr. Tee Tuan Poy, who was recognized as the Best Reviewer of this year's conference for her thoughtful evaluations and unwavering commitment to scientific rigor.



BEST REVIEWER 2026



Dr. Tee Tuan Poy

(Faculty of Agriculture, Universiti Putra Malaysia, Malaysia)

Dr. Tee Tuan Poy is a Senior Lecturer (Pensyarah Kanan) in the Department of Animal Science at the Faculty of Agriculture, Universiti Putra Malaysia (UPM) in Serdang, Selangor, Malaysia profile.upm.edu.myagri.upm.edu.my. She holds a PhD in Agricultural and Environmental Modelling, specializing in livestock waste management and environmental systems modelling–her work notably addresses methane emissions, climate change, and life-cycle assessment (LCA) within livestock systems ResearchGateagri.upm.edu.my.

Dr. Tee leads research focusing on biophysical modelling of nitrogen cycling, environmental loss evaluations, and sustainable mitigation strategies such as biochar applications and ESG risk assessment in animal agriculture ResearchGate+1. Prominent recent contributions include studies on greenhouse-gas emissions reduction using probiotics in broiler production (Aug 2024) and optimization of composting methods for livestock manures using response surface methodology (Mar 2025) ResearchGate+1.

Her work is integral to regional and international programs aimed at improving livestock-related emissions inventories and informing sustainable agricultural policy, including efforts with the New Zealand–CSA initiative to refine Malaysia's GHG factors for cattle CS

UPCOMING CONFERENCES

iConferences
Breakthrough to Research Excellence

EDCON 2026

5TH INTERNATIONAL CONFERENCE ON
EDCON 2026
16-15 October 2027
HYBRID | BALI, INDONESIA

Public Health 2026

8TH INTERNATIONAL CONFERENCE ON
Public Health and Well-Being
20-21 October 2026
HYBRID | BALI, INDONESIA

SilverAge 2026

7TH INTERNATIONAL CONFERENCE ON
Gerontology & Geriatric Medicine
22-23 October 2026
HYBRID | BALI, INDONESIA

5TH INTERNATIONAL CONFERENCE ON
ICHECS 2027
26-27 January 2027
ONLINE CONFERENCE

1ST INTERNATIONAL CONFERENCE ON
Cancer and Oncology
29-30 January 2027
ONLINE CONFERENCE

UPCOMING CONFERENCES

iConferences
Breakthrough to Research Excellence

2ND INTERNATIONAL CONFERENCE ON
AiCon 2027
06-07 April 2027
ONLINE CONFERENCE

6TH INTERNATIONAL CONFERENCE ON
Sustainable Development Goals
04-05 May 2027
HYBRID | MALAYSIA

2ND INTERNATIONAL CONFERENCE ON
ICPHN 2027
6-7 May 2027
HYBRID | MALAYSIA

7TH INTERNATIONAL CONFERENCE ON
AGROFOOD 2027
3-4 August 2027
HYBRID | INDONESIA

5TH INTERNATIONAL CONFERENCE ON
WOMEN 2027
6-7 August 2027
HYBRID | INDONESIA