InCAPM 2025

International Conference on Agriculture and Plantation Management

Think Big in Agriculture for a Boosting Bioeconomy

PROGRAMME

16 - 18 MAY 2025
FRIDAY - SUNDAY

FAPM, MAKANDURA
SRI LANKA

Faculty of Agriculture and Plantation Management

Wayamba University of Sri Lanka

Makandura, Gonawila (NWP), Sri Lanka

https://incapm.mkd.wyb.ac.lk/

InCAPM 2025

International Conference on Agriculture and Plantation Management

Organized by

Faculty of Agriculture and Plantation Management

Wayamba University of Sri Lanka

Co-hosted by

Guizhou University,
China

Central China Normal University,
China

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Message from the Vice Chancellor,
Wayamba University of Sri Lanka

It is with great pride and immense pleasure that I extend my warmest greetings to all participants of the International Conference on Agriculture and Plantation Management *(InCAPM 2025),* to be held from 16th to 18th May 2025 at the Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka.

This Inaugural International Conference, which is organized in parallel with the Silver Jubilee Celebrations of the Faculty of Agriculture and Plantation Management, marks a significant milestone in the academic journey of the faculty. Hence, with deep respect I can mark this conference as a global gathering of minds committed to advancing. *InCAPM 2025* is not merely an event, but a dynamic process of fostering collaboration, inspiring innovation, and promoting sustainability across borders. Under the timely theme "Think Big in Agriculture for a Boosting Bioeconomy," *InCAPM 2025* presents an invaluable platform for researchers, academics, and postgraduate scholars to share cutting-edge research, innovative practices, and transformative ideas in agriculture and its allied fields.

I take this opportunity to warmly welcome keynote, plenary, and thematic speakers, as well as all national and international presenters and delegates who have come together to make this event a truly global academic gathering.

I also extend my heartfelt appreciation and congratulations to the Dean of the Faculty, the organizing committee and all the other supportive staff members for their exceptional efforts in spearheading this prestigious event. Their vision and dedication have paved the way for meaningful engagement with the global scientific community. A special word of gratitude is extended to co-hosts and main sponsoring partners – Guizhou University and Central China Normal University, China for their significant contribution and collaboration. I also sincerely thank all other sponsors whose support has been instrumental in making this conference a reality.

May this *InCAPM 2025* be a memorable and inspiring experience for all participants, and may it pave the way for continued academic excellence, international cooperation, and impactful research in the years to come.

Snr. Prof. Udith K. Jayasinghe
Vice Chancellor
Wayamba University of Sri Lanka

Message from the Dean,
Faculty of Agriculture and Plantation Management,
Wayamba University of Sri Lanka

It is with great pride and pleasure that I extend a warm welcome to all participants of the *International Conference on Agriculture and Plantation Management*, held in celebration of the 25th Anniversary of the Faculty of Agriculture and Plantation Management (FAPM), Wayamba University of Sri Lanka.

Over the past 25 years, our faculty has grown into a vibrant center of academic excellence, innovation, and community engagement. This milestone conference reflects our enduring commitment to advancing knowledge, fostering collaboration, and addressing the pressing challenges in agriculture and plantation sectors both locally and globally.

This international forum brings together distinguished scholars, practitioners, policymakers, and students to share research insights, emerging technologies, and practical solutions for sustainable agricultural development. We believe that the deliberations and exchanges that take place here will contribute meaningfully to shaping resilient and future-ready agri-food systems.

As we mark this important milestone, I wish to express my sincere gratitude to all those who have contributed to the progress of FAPM – our dedicated staff, alumni, students, industry partners, and stakeholders. Your support continues to inspire our mission of nurturing a sustainable agricultural future. I wish all participants a productive and enriching conference experience.

Prof. Jagath Edirisinghe
Dean
Faculty of Agriculture and Plantation Management
Wayamba University of Sri Lanka

Message from the Conference Chair InCAPM 2025

It is a great honour and privilege to serve as the Chair of the International Conference on Agriculture and Plantation Management (InCAPM 2025), organized by the Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka. It is scheduled to be held on 16-18 May 2025 in parallel with the silver jubilee celebrations of the Faculty, a milestone that reflects 25 years of excellence in agricultural education and research, and engagement with the community and industry.

The conference theme "Think Big in Agriculture for a Boosting Bioeconomy," is timely. Amid the global and national financial instability, agriculture stands as a resilient pillar capable of reviving economies, enhancing livelihoods, and ensuring sustainable development. This conference offers a diverse platform for researchers, academics, policymakers, and industry professionals to exchange ideas and foster innovations that can drive bioeconomic growth and contribute to both national and global economic development. InCAPM 2025 brings together a diverse and rich forum for scientific exchange. The programme includes a pre-conference workshop on Green Plant Protection, a keynote address, a plenary talk, and parallel thematic talks and technical sessions of seven tracks across a range of existing issues and solutions in agriculture and plantation management.

We are immensely grateful for the generous collaboration and support of our esteemed co-hosts, Guizhou University and Central China Normal University, China, whose partnership has added great value and international strength to this event. My sincere thanks go to the organizing committee for their unwavering dedication, meticulous planning, and hard work in bringing this conference to a great success. I also extend heartfelt appreciation to all financial supporters whose contributions have made this event possible.

I wish all participants a productive, engaging, and inspiring experience throughout the conference and every success in your future endeavours in the advancing agriculture sector.

Prof. Prasanthi Perera
Chair – InCAPM 2025
Faculty of Agriculture and Plantation Management
Wayamba University of Sri Lanka

A Glance at InCAPM 2025

In parallel with the Silver Jubilee Celebrations, the Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka organizes InCAPM 2025 together with co-host partners of Guizhou University, China and Central China Normal University, as an international platform for researchers and postgraduate students to disseminate, discuss and showcase their high-caliber research findings in agriculture and related fields with a diverse audience. The conference features keynote and plenary speeches from eminent international scholars, oral and poster presentations under the theme **"Think Big in Agriculture for a Boosting Bioeconomy".**

The conference will focus on the following seven tracks.

- High-Tech Agricultural Production
- Varietal Innovations and Seeds
- Innovative Food Processing Technologies
- Microorganisms in Agro-Industry and Environment
- Aesthetic Agriculture and Environment
- Animal Production Systems and Industry Trends
- Agricultural & Resource Economics and Policy

The International Conference in Agriculture and Plantation Management (InCAPM)-2025 serves as a beacon of knowledge and innovation in a field that is pivotal to the sustenance and growth of humanity. By providing a platform for the exchange of cutting-edge research and innovative methodologies, InCAPM 2025 accelerates the development of sustainable practices that are crucial for enhancing food security and environmental conservation. It encourages the cross-pollination of ideas, enabling participants to explore novel solutions for improving crop yields, combating pests, and managing resources efficiently. The diverse tracks of the conference highlight the multifaceted nature of agriculture, from high-tech production to policy and governance, ensuring a holistic approach to addressing current and future agricultural needs. Moreover, the symposium fosters a sense of community and shared purpose among its attendees, inspiring them to think big and act boldly in their endeavors. It is a celebration of the triumphs and struggles inherent in the agricultural journey. As participants return to their respective fields armed with new insights and connections, the symposium's impact reverberates far beyond its duration, shaping the future of agriculture and plantation management for generations to com

Wayamba University of Sri Lanka

Wayamba University of Sri Lanka (WUSL) stands as a beacon of academic excellence and innovation in the vibrant landscape of Sri Lankan higher education. Established in the year 1999, it has swiftly ascended to prominence as the thirteenth national university in the country, reflecting a commitment to nurturing intellectual growth and fostering a dynamic educational environment.

WUSL's physical presence spans across three strategic locations in Sri Lanka: Kuliyapitiya, Makandura, and Labuyaya, hosting six faculties. Each campus is meticulously designed to cater to specific academic disciplines, ensuring that students receive tailored educational experiences. Kuliyapitiya Campus hosts the Faculties of Applied Sciences, Business Studies and Finance, and Technology. This campus is a hub for scientific inquiry, business acumen, and technological advancement.

The Makandura Campus is home to the Faculties of Agriculture and Plantation Management, and Livestock, Fisheries and Nutrition. Here, the focus is on sustainable agricultural practices, innovative plantation management techniques, and the intricate science of livestock and fisheries. Students delve into research that addresses critical challenges facing the agricultural sector, promoting food security and environmental sustainability.

On the Labuyaya Campus, the Faculty of Medicine provides a rigorous medical education, preparing students to become adept healthcare professionals. With comprehensive medical training programmes, advanced simulation labs, and clinical exposure, the Faculty of Medicine is dedicated to producing doctors who are not only skilled but also compassionate and ethical practitioners.

WUSL is devoted to producing graduates who are well-versed in their respective fields and equipped with a global perspective. The university's curriculum is designed to foster critical thinking, creativity, and innovation. Research plays a pivotal role at WUSL, with numerous projects underway that tackle pressing issues in agriculture, medicine, technology, and business. WUSL is committed to community engagement and collaboration by actively partnering with local and international organizations to facilitate knowledge exchange and promote sustainable development.

Wayamba University of Sri Lanka is not just an institution of higher learning; it is a catalyst for change, a nurturer of talent, and a pillar of innovation. Its commitment to academic excellence, research, and community engagement ensures that it remains a premier university dedicated to producing skilled, knowledgeable, and socially responsible graduates.

Faculty of Agriculture and Plantation Management

The Faculty of Agriculture and Plantation Management (FAPM) was officially established in October 1999 with its four academic departments, namely, Departments of Agribusiness Management, Biotechnology, Horticulture and Landscape Gardening, and Plantation Management. FAPM initially offered the 4-year BSc (Hons.) Agriculture degree. In 2016, the faculty expanded its academic offerings with the launch of the Department of Biosystems Technology, which focuses on the integration of biological systems and technological advancements to address contemporary challenges in agriculture.

FAPM is dedicated to advancing the fields of agriculture and plantation management through rigorous academic programmes and innovative research. With a strong emphasis on sustainability and innovation, FAPM prepares graduates to become leaders in the agricultural sector, capable of driving progress and contributing to the global discourse on food security and environmental stewardship. Through its dynamic curriculum, dedicated faculty, and state-of-the-art facilities, the Faculty of Agriculture and Plantation Management continues to uphold its mission of shaping the future of agriculture in Sri Lanka and beyond.

By the time the FAPM celebrates its Silver Jubilee, the faculty has established itself as a beacon of higher education in Sri Lanka by offering the following degrees and courses.

Postgraduate Programmes
Ph.D. and M.Phil. by research
M.AETM (Master of Agri-Enterprise and Technology Management)

Undergraduate Programmes
B.Sc. (Hons.) Agriculture
Bachelor of Biosystems Technology (Hons.)
B.Sc. Plantation Management (External)
B.Sc. Food Business and Marketing (External)

Diploma Programmes
Diploma in Agriculture and Plantation Management
Diploma in Food Business and Marketing
Diploma in Modern Agrotechnology

Certificate Courses
Advanced Certificate in Plant Tissue Culture

The diverse range of academic programmes has been designed to cater to various interests and professional aspirations within the field to develop the beneficiaries as global citizens.

Guizhou University of China

Guizhou University (GZU), originally founded in 1902 as Guizhou Institute of Higher Learning, has undergone multiple transformations and mergers, adopting its current name in 1950—inscribed by Chairman Mao Zedong in 1951. Major institutional consolidations took place in 1997 and 2004, with the incorporation of Guizhou Agricultural College and Guizhou University of Technology. Over its 120-year history, GZU has emerged as a comprehensive university with a significant academic footprint.

GZU is part of China's "Project 211" and the "Double First-Class" initiative. It operates under the joint development framework of the Ministry of Education and the Guizhou Provincial Government. In 2021, the province officially committed to strengthening the university, followed by an implementation plan issued by 12 provincial departments. This plan aims to transform GZU into a nationally and internationally renowned institution aligned with Chinese characteristics and regional development needs.

The university emphasizes moral and holistic education. It has been recognized as a "Model University" for CPC development, awarded the title of "National Civilized Campus," and selected as a trial institution for the MOE's "Three Comprehensive Educational Approaches" initiative.

GZU spans 309.17 hectares, including 65.69 hectares of experimental farmland. Its library holds over 3.93 million printed documents and 3.74 million electronic copies. The university offers courses across 12 major disciplines through 40 colleges, serving more than 34,000 undergraduate and 16,000 graduate students. Its faculty exceeds 4,200, with over 2,800 full-time teachers, 59.64% of whom hold doctoral degrees.

Academically, GZU has one discipline recognized under the "Double First-Class" initiative, one national key discipline, two discipline clusters for regional industries, nine national and 10 regional world-class disciplines. Seven of its disciplines rank in the top 1% globally according to ESI data. The university also offers 19 first-level doctoral programs, one professional doctoral program, 50 master's programs, and 28 professional master's programs. It boasts 84 "Double Ten Thousand Plan" first-class majors, including 52 at the national level.

GZU's faculty includes eight top-tier experts, several academicians from the Chinese Academy of Engineering, and distinguished researchers recognized by national talent programs. GZU also receives strong governmental support from the CPC Guizhou Provincial Committee, with 27 members serving as key liaison experts and 93 serving as liaison experts. In addition to academic achievements and social commitment, GZU's faculty have been active in publication. One faculty member has been ranked as a "Highly Cited Researcher" globally for six consecutive years, and three others appear in the Elsevier "China Highly Cited Scholars" list.

Central China Normal University

Central China Normal University (CCNU), located in Wuhan, is a key comprehensive university directly under China's Ministry of Education. It is listed under both the "211 National Education Priority Project" and the "Double First-Class" initiative.

CCNU traces its origins to Boone College (Wenhua Shuyuan), founded in 1903 and later renamed Huachung University. Over time, it merged with Zhonghua University and the School of Education of Zhongyuan University. In 1985, the university was officially named Central China Normal University, with its name handwritten by Deng Xiaoping.

Renowned as a national center for teacher education and talent development, CCNU integrates traditional Chinese culture with global academic perspectives. With a guiding spirit of loyalty, erudition, virtue, honesty, and resolution, the university has educated over 600,000 professionals. It emphasizes moral education, truth-seeking, and creativity.

As one of China's earliest postgraduate education providers, CCNU has a robust academic system covering undergraduate to postdoctoral levels. The university has over 3,600 faculty and staff and currently enrolls more than 18,700 undergraduates and 12,900 postgraduates, including about 1,000 international students.

CCNU provides comprehensive, state-of-the-art research facilities for 28 faculty and schools as well as 19 postdoctoral research stations. With its strength in research, such disciplines as Politics, Chinese Language and Culture and Pedagogy have been incorporated into the National Construction Plan of the First-Class Discipline Initiative. In possession of 67 scientific research institutions and laboratories, CCNU has several research units for humanities and social sciences in addition to a National Engineering Laboratory and Research Unit for international cooperation.

With partnerships spanning over 200 global institutions, CCNU actively promotes academic exchange and international collaboration. It regularly invites foreign scholars and educators, contributing to cross-cultural and scientific advancement.

Adhering to the motto of "seeking truth and innovation, establishing morality and cultivating talents", CCNU upholds the tradition of "erudition, learned and universal love". Focusing on the pursuit of education and research at the highest level of excellence, the University is striving to become a world-class university with the focus on teacher education.

Keynote Speaker

Professor Saman Seneweera
Chairman of the National Science Foundation of Sri Lanka

Chair Professor of Agricultural Engineering and Environmental Technology at the Faculty of Agriculture, University of Ruhuna. Research Professor & Discipline Leader of Plant Biology at the University of Southern Queensland, Australia, Adjunct Professor, Department of Biology, University of Ruhuna, Sri Lanka, and Adjunct Associate Professor, MSLE, The Melbourne University, Australia.

Professor Saman Seneweera is a distinguished plant scientist, serving as the Chairman of the National Science Foundation of Sri Lanka and Chair Professor of Agricultural Engineering and Environmental Technology at the University of Ruhuna's Faculty of Agriculture. With over three decades of groundbreaking research, he is recognized globally for his work on climate change biology and its impact on agriculture and sustainability. His research focuses on plant metabolism to extreme climate conditions, elevated CO_2 levels, and water scarcity, and he has developed innovative adaptation strategies to adapt our crops and pastures to future climates.

After earning his Bachelor of Science in Agriculture from the University of Ruhuna, Professor Seneweera began his research career at the National Institute of Fundamental Studies (NIFS) in Sri Lanka. His passion for plant science led him to pursue a Ph.D. in Plant Physiology at the University of Western Sydney, where he explored the effects of rising CO_2 concentrations on photosynthetic carbon metabolism. This early work laid the foundation for his continued research on climate change's impact on global food security and sustainable agriculture. Professor Seneweera has held positions at top institutions worldwide, including the University of Melbourne, the University of Southern Queensland, Tohoku University, and the University of Illinois. As Director of NIFS, he led significant growth in research and global rankings. He has supervised over 40 PhD students and published more than 200 peer-reviewed publications in top-tier journals, with an h-index of 50. His research has earned international recognition, placing him in the top 2% of scientists worldwide according to Stanford University rankings and he has secured over $20 million in research funding and continues to influence sustainable agriculture policy and innovation.

Plenary Speaker

Prof. Ge-Fei Hao
Guizhou University and Central China Normal University

Senior Scientist / Group Leader, National Key Laboratory of Green Pesticide and Agricultural Bioengineering, Ministry of Education, Center for Research and Development of Fine Chemicals, Guizhou University, Guiyang, China, Visiting Professor, Hong Kong Baptist University

Prof. Ge-Fei Hao, a Professor at Guizhou University and Central China Normal University, specializes in pesticide informatics research under agricultural environment. Prof. Hao has devoted himself to this field for a long time, focusing on the key scientific issue of "The relationship between biomacromolecules and pesticides" within the pesticide innovation domain. He successfully established the world's first systematic pesticide informatics platform. Professor Hao Gefei, renowned for his research in pesticide informatics, shared his expertise and experience. His remarkable contributions to the field of pesticide informatics have earned him prestigious accolades, including the National Science Foundation for Distinguished Young Scholars and the Chief Scientist of the National Key Research and Development Programme. He has been recognized as a Young Scholar in the Changjiang Scholar Award Programme and the National 100 Outstanding Doctoral Dissertations in Plant Protection. Prof. Hao Gefei has published more than 200 research articles in the field of plant protection, Pest management and Pesticide application Technologies in high-impact SCI journals with an h-index of 33 and has recorded more than 3500 citations.

Green Plant Protection (GPP) is an environmentally friendly and sustainable approach to managing plant health by minimizing the use of synthetic pesticides and promoting ecological balance. Conventional pest control methods often rely on chemical pesticides, which, although effective, pose serious environmental and health risks. Over time, excessive pesticide use has led to soil degradation, water contamination, and a decline in biodiversity, particularly affecting beneficial organisms such as pollinators and natural predators of pests. In contrast, Green Plant Protection emphasizes alternative strategies such as biological control, plant resistance, and precision agriculture to ensure effective pest and disease management while safeguarding ecosystems. This approach integrates scientific advancements, agroecological practices, and technological innovations to create a resilient and sustainable agricultural system that addresses modern food production challenges without disturbing environmental integrity.

One of the core principles of Green Plant Protection is the reduction of chemical pesticide dependency. Instead, farmers and researchers are encouraged to adopt biopesticides, microbial solutions, and natural predators to control pest populations. Biopesticides derived from fungi, bacteria, and plant extracts target specific pests with minimal impact on non-target organisms. Additionally, genetic advancements such as RNA interference (RNAi) and CRISPR-based gene editing enable the development of pest-resistant crop varieties, reducing the need for external chemical inputs. Precision agriculture, which incorporates artificial intelligence (AI), remote sensing, and data-driven decision-making, further enhances the efficiency of pest and disease management, allowing for targeted interventions that reduce environmental contamination. By integrating these innovative strategies, GPP fosters a more balanced approach to plant protection, ensuring both productivity and ecological well-being.

The Green Plant Protection Workshop, jointly organized by the Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka, Guizhou University, and Central China Normal University, served as a platform for knowledge exchange and research collaboration in sustainable plant health management. This workshop brought together leading scientists, agricultural

professionals, and policymakers to discuss the latest advancements in eco-friendly plant protection. Topics such as AI-driven plant protection, smart pesticide formulations, and climate-resilient crop protection strategies were explored to provide practical solutions for modern agricultural challenges. By fostering dialogue and cooperation among experts, this initiative aimed to advance sustainable pest and disease management practices while shaping policies that support long-term agricultural sustainability. The Green Plant Protection Workshop aspires to contribute to a more resilient and environmentally conscious agricultural future through education, research, and innovative technological applications.

中国-斯里兰卡茶叶绿色防控技术一带一路联合实验室

China-Sri Lanka Belt and Road Joint Laboratory on Tea Ecological Control

Programme
Pre-Conference Workshop on Green Plant Protection
16th May 2025

08.30 a.m. - 09.00 a.m.	**Registration**
09.00 a.m. - 09.10 a.m.	Lighting the Oil Lamp
09.10 a.m.- 9.20 a.m.	**Welcome Address** ***Prof. Prasanthi Perera*** *Conference Chair | InCAPM 2025*
9.20 a.m.- 9.30 a.m.	**Address by the Dean** ***Prof. Jagath Edirisinghe*** *Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka*
9.30 a.m. - 9.45 a.m.	**Introduction to Green Plant Protection** ***Dr. Wishwajith Kandegama*** *Workshop Coordinator*
9.45 a.m. -10.00 a.m.	**Key Speech** ***Prof. Linhong Jin*** ***Guizhou University, China*** *Research and practical application of green pest control technologies for tea plant diseases and insect pests* *茶树病虫害绿色防控技术研究与应用实践*
10.00 a.m. - 10.15 a.m.	**Prof. Ming-Zhi Zhang** ***Nanjing Agricultural University, China*** *Study on lead optimisation and antifungal activity of natural product streptochlorin* *天然产物氯链素的先导优化及抗菌活性研究*
10.15 a.m. -10.30 a.m.	**Dr. Lakmini Priyantha** ***Rice Research and Development Institute, Sri Lanka*** *Safe crops safe lives strategies for pesticide risk reduction*
10.30 a.m. -10.45 a.m.	**Prof. Xiaolei Zhu** ***Central China Normal University, China*** *Discovery of novel oxathiapiprolin derivatives as potent fungicide candidates* *靶向靶向氧化固醇结合蛋白（OSBP）的新型抑制剂设计*

10.45 a.m.- 11.15 a.m.	**Panel Discussion**
11.15 a.m.-11.45 a.m.	**Tea Break**
11.45 a.m.-12.00 Noon	**Dr. Mahasen Ranatunga** ***Tea Research Institute, Sri Lanka*** *Crop Improvement for Green Plant Protection*
12.00 Noon -12.15 p.m.	**Prof. Qi Wang** ***Guizhou University, China*** *Research on intelligent diagnosis of crop diseases and decision-making of precision medicine* ***作物病害智能****诊断与精准用药决策研究*
12.15 p.m.- 12.30 p.m.	**Dr. Surantha Salgadoe** ***Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka*** *Digital Defenders: The Role of Crop Remote Sensing in Green Plant Protection*
12.30 p.m. -12.45 p.m.	**Prof. Zhenyu Wang** ***Central China Normal University*** *Study on the Bioactivity and Mode of Action of the Novel Isoxazoline Insecticide YI22089* ***新型异噁****唑啉杀虫剂 YI22089* ***的****杀虫活性以及作用机制*
12.45 p.m.-1.15 p.m.	**Panel Discussion**
1.15 p.m.- 1.30 p.m.	**Closing Remarks** *Prof. S.J.B.A. Jayasekara* *Vice Chancellor* *Horizon Campus, Malabe, Sri Lanka*
1.30 p.m.- 1.35 p.m.	**Vote of Thanks** ***Prof. Wajira Balasooriya*** *Conference Secretary | InCAPM 2025*
1.35 p.m.-2.00 p.m.	**Lunch**

Key Message

Prof. Linhong Jin

Prof. Linhong Jin, Professor at Guizhou University, a scientist in the Guizhou modern agricultural industry technology system, specializes in agricultural pest control, particularly biological control (using natural enemies) for tea plantations and other crops. He has established pest control technology demonstration sites in over 30 counties across Guizhou province, making significant contributions to the green development of Guizhou's tea industry. With more than 100 scientific publications and multiple invention patents, his research has been highly recognized by numerous national and provincial projects. His achievements have earned him numerous awards, including "Guizhou Province Outstanding Individual in the Tea Industry (2020)", "Guizhou Province Advanced Individual in Poverty Alleviation (2021), National Advanced Collective for Poverty Alleviation, Team Leader (2021)" and "The Most Distinguished technologist (2022)", etc.

Director / International Collaboration on Green Plant Protection

Prof. Gefei Hao

Prof. Hao Gefei, PhD in pesticide science from Huazhong Normal University, is a professor and doctoral supervisor at Guizhou University specializing in pesticide informatics. Recognized as a national high-level talent, he has served as Chief Scientist for a National Key Research and Development Project Programme and received numerous prestigious honors, including, 17th China Youth Science and Technology Award, National Hundred Outstanding Doctoral Dissertations (Plant Protection), "Golden Teacher" in Guizhou Province undergraduate colleges and universities, "Chu Tian Scholars Programme", "Chu Tian Scholars", and has won the first prize of Guizhou Provincial Science and Technology Progress Award (ranked first). "He

was awarded the First Prize of Guizhou Scientific and Technological Progress (ranked first), the Top Ten Scientific and Technological Progress Award of Guizhou Province (ranked first), and the First Zhao Shanhuan Academician Scholarship Fund Outstanding Young Academic Award. Focusing on the key scientific issue of "the interaction between molecular target and lead structure, he has dedicated his career to fundamental and applied research in pesticide molecular design. He has led multiple national research projects, including, the National Natural Science Foundation of China's top project, regional project, youth project, and Fok Ying Tung Young Teachers' Fund project.

Resource Persons of the Green Plant Protection Workshop

Prof. Ming-Zhi Zhang

Prof. Ming-Zhi Zhang, professor at Nanjing Agricultural University (NAU), has been recognized in the "World Ranking of Top 2% Scientists" in 2023, made at the Stanford University, won the Grants4 Ag Award of Bayer Company in 2021, and won the Zhao Shanhuan Scholarship Fund Outstanding Young Academic Award in 2020. In 2019, he was awarded the "Zhong Shan Scholar" academic rookie of NAU. As first or corresponding author, he has published more than 30 research papers in the *Med Res Rev, Eur J Med Chem, J Agric Food Chem, Pest Manage Sci*, with more than 1800 citations. One of his papers has been recognized as a Web of Science highly cited paper. In 2017, he completed the second training course for Talents of International Organizations, held by the Ministry of Science and Technology, and was invited to participate in the 12th "China-Us Youth Science Forum" of the Ministry of Science and Technology of China. He was awarded the Visiting Scholarship wholly sponsored by GlaxoSmithKline in 2013, and has served as a reviewer for the NSFC, and leading reviewer of the Science Fund of the Republic of Serbia.

Prof. Xiaolei Zhu

Prof. Zhu Xiaolei, earned her PhD in pesticide science from Central China Normal University (CCNU), where she currently serves as professor and doctoral supervisor of the State Key Laboratory of Green Pesticide in CCNU, with research interests in pesticide molecular design based on target. As for the main researcher, she has discovered two fungicide candidates targeting upon succinate dehydrogenase (SDH). In addition, she has received funding from a number of national projects, such as Key Research and Development Project and the National Natural Science Foundation of China.

Prof. Zhenyu Wang

Prof. Zhenyu Wang has over 5 years of teaching experience as a tenure-track Associate Professor at Central China Normal University, where he holds a position at the College of Chemistry in the Key Laboratory of Green Pesticides. In addition to his academic career, he has over 5 years of field experience as an Entomologist in China. His academic journey is marked by a strong foundation in molecular biology techniques, RNA interference, pest management, and crop protection. His research focuses on the evolution of insect resistance to chemical insecticides, with the goal of advancing novel pest management technologies for sustainable agriculture. Dr. Wang, as a key contributor, has successfully established a high-throughput screening technology system for pesticide bioactivity. Utilizing this system, he has invented one green insecticide molecule and three highly active insecticide candidate molecules. He has published multiple original research achievements in the fields of insect toxicology and green pesticide development. Dr. Wang is passionate about contributing to global agricultural innovations that balance crop protection with environmental sustainability.

Prof. Wang Qi

Prof. Wang Qi serves as a Distinguished Professor and Master's Supervisor at the State Key Laboratory of Public Big Data, Guizhou University, with a dual Ph.D. in Engineering (China & Belgium). Specializing in computer vision and smart agriculture, he has published 32 SCI papers (IF>250), led 4 national/provincial projects, and holds 11 Chinese patents. Recognized for excellence (e.g., Guizhou Youth Tech Elite, National "Challenge Cup" Grand Prize mentor), he serves as a reviewer for top journals (TCYB, TMM) and a technical advisor for government big data platforms. His international collaboration portfolio includes a pivotal Belgium-China bilateral science project.

Dr. Wishwajith Kandegama

Dr. W.M.W.W. Kandegama is a Senior Lecturer at the Department of Horticulture and Landscape Gardening, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka, and working as a visiting professor at the State Key Laboratory of Green Pesticide, Guizhou University, in China. Dr. Kandegama specializes in plant protection, Food safety, Biorationals application in agriculture, and horticulture crop production. He received Ph.D from Central China Normal University, Hubei, China, where he developed a Nanoformulation (Smart Control Released) as a novel pesticide target and claimed two patents. Dr. Kandegama has published in top-tier journals such as *Agric. Food Chem., Journal of Hazardous Materials, Pharmacological Research*. He is a specially invited reviewer for several internationally renowned journals. He is a key initiator of the International Collaboration between Sri Lanka and China in Green Plant Protection and serves as the secretary general.

Dr. Mahasen Ranatunga

Dr. Mahasen A. B. Ranatunga, Additional Director of the Tea Research Institute of Sri Lanka currently serves as the Acting Director/ CEO of the institute with over 25 years of research career. He obtained his BSc in Agriculture Degree from University of Peradeniya in 2000 and joined as a Research Assistant to the Plant Breeding Division of the Institute in 2001. Later, he obtained his MSc in Biotechnology from Tamil Nadu Agricultural University, India and PhD in Plant Sciences from the University of Peradeniya. Dr. Ranatunga started his career as a tea breeder and his specialized research areas involve Molecular Biology, Genetic Resources Conservation and Mutation Breeding. He obtained his postdoctoral training from the National Food Research Institute, Japan, on the Use of NIR on Rapid Phenotyping. He has authored and co-authored 06 book chapters and over 35 peer-reviewed publications. Dr. Ranatunga has supervised about 06 postgraduate students. He is a recipient of the Presidential Awards for Scientific Research and Excellence in National Agricultural Research Awards. He is currently serving as an Associate Editor of the Beverage Plant Research journal.

Dr. Lakmini Priyantha

Dr. Lakmini Priyantha is the Director, Rice Research and Development Institute of the Department of Agriculture, Sri Lanka bringing over 25 years of experience in agricultural research. She began her career as a Research Officer specializing in Plant Pathology and, since 2012, has expanded her expertise into Seed Pathology, Seed Technology, implementation of the Seed Act, and the promotion of Good Agricultural Practices (SLGAP) in Sri Lanka. In addition to her research and development work, Dr. Lakmini has significantly contributed to the dissemination of agricultural knowledge through various editorial roles. She has served on the editorial boards of the Tropical Agriculturist and the Annals of the Department of Agriculture, and has

also held the position of Chief Editor for the Department of Agriculture's Annual Report. Her dedication and achievements have earned her numerous national and international awards. Dr. Lakmini also serves as the National Coordinator for CABI in Sri Lanka. In this capacity, she plays a key role in coordinating national-level initiatives, strengthening partnerships between CABI and local stakeholders, and advancing efforts related to plant health, biosecurity, and sustainable agriculture throughout the country.

Dr. Surantha Salgadoe

Dr. Surantha is the current Head of the Department of Horticulture and Landscape Gardening, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka. His passion is to lift the agricultural system to an advanced platform with precision agricultural techniques (Crop Remote sensing) to early identify crop problems, quantify crop performance, and apply modern and sustainable agricultural practices. He is an experienced Researcher and Senior Lecturer with a demonstrated history of working (Australia & Sri Lanka) in higher education and research in developing and testing agriculture crop remote sensing applications for improved crop monitoring and performance measurement, production tracing, crop protection, yield forecasting, and early crop signaling. He is well-experienced with a diverse range of skills in Remote Sensing, Image processing, Signal processing, multispectral, hyperspectral, thermal, Drone (UAV), Smartphone and Satellite technologies, Plant Protection, Plant Pathology, Crop Production, and Modern Agriculture.

Other Representatives

- Prof. Zhibing Wu, Guizhou University, China
- Prof. Lingxu Li, Qingdao Agricultural University, China
- Prof. Yawen Dong, Guizhou University, China
- Prof. Dawei Wang, Central China Normal University, China
- Prof. Bo He, Nanjing Agricultural University, China
- Prof. Pan Liao, Assistant Professor, Hong Kong Baptist University, Hong Kong
- Prof. Da-Yong Peng, Associate Professor, Jiangxi Agricultural University, China
- Dr. Ibrahim Senosy, Postdoctoral Research Fellow, Guizhou University, China

InCAPM 2025 Inauguration Ceremony
17th May 2025

8.30 a.m.-9.00 am	Registration
9.00 a.m.- 9.10 a.m.	**Lighting the Oil Lamp**
9.10 a.m.-9.20 a.m.	**Welcome Address** ***Prof. Prasanthi Perera*** *Conference Chair*
9.20 a.m. – 9.30 a.m.	**Address by** ***Prof. Jagath Edirisinghe*** *Dean	FAPM*
9.30 a.m.-9.40 a.m.	**Address by the Chief Guest** ***Snr. Prof. Udith Jayasinghe*** *Vice-Chancellor	WUSL*
9.40 a.m. - 9.50 a.m.	**Address by the Guest of Honour** ***Mr. Qi Zhenhong*** *Ambassador	P.R. China*
9.50 a.m.-10.25 a.m.	**Keynote Speech** ***Prof. Saman Seneweera*** *Chairman	NSF*
10.25 a.m.-10.30 a.m.	**Vote of Thanks** ***Prof. Wajira Balasooriya*** *Conference Secretary*

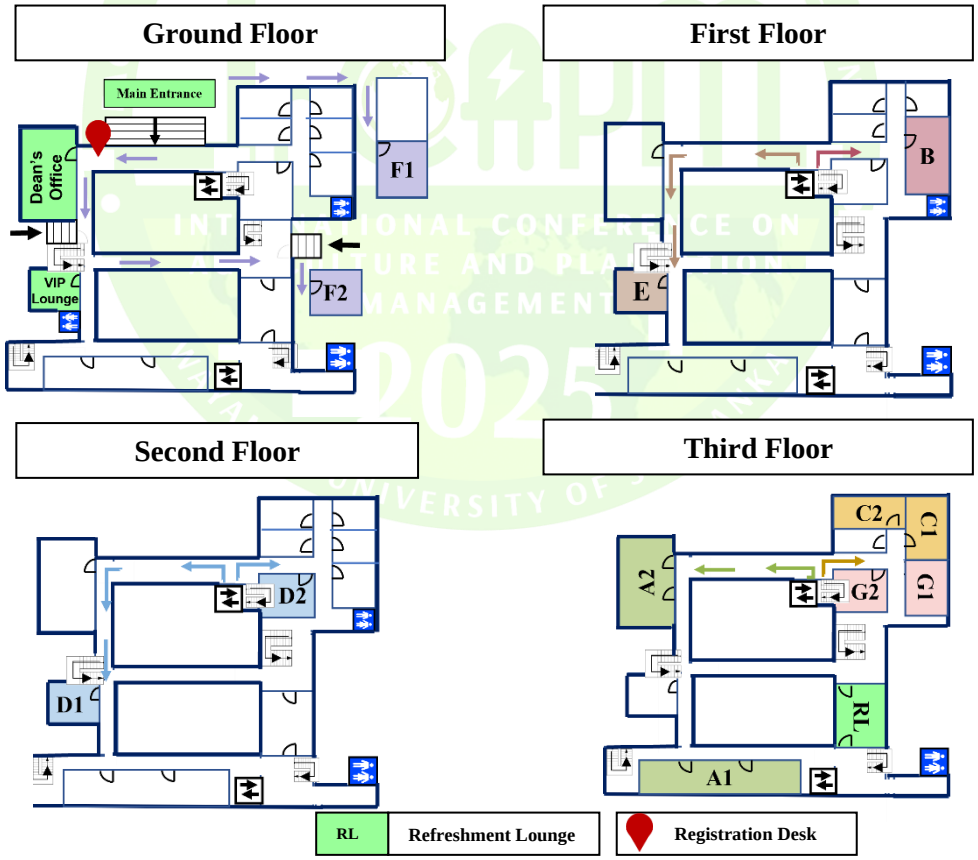
InCAPM 2025 - Main Conference Day

Date: Saturday 17th May 2025	Main Conference Day											Venue: FAPM, Makandura
8.30 a.m. - 9.00 a.m.	Registration of Participants											
9.00 a.m. -10.30 a.m.	Inauguration Ceremony (Auditorium)											
10.30 a.m. - 11.15 a.m.	Tea Break and Poster Session (Refreshment Lounge)											
11.15 a.m. - 11.45 a.m.	Thematic Speech											
Track Name	**HTA**		**VIS**		**IFP**		**MAE**		**AAE**		**APS**	**ARE**
Session Rooms	**A 1**		**B**		**C1**		**D1**		**E**		**F1**	**G1**
	Technical Sessions											
Session Rooms	**A1**	**A2**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F1**	**F2**	**G1**	**G2**
11.45 a.m. – 12.45 p.m.	OP 01-04	OP 13-16	OP 01-04	OP 01-04	OP 12-15	OP 01-04	OP 10-13	OP 01-04	OP 01-04	OP 10-13	OP 01-04	OP 14-17
12.45 p.m. – 1.45 p.m.	Lunch and Poster Session (Refreshment Lounge)											
1.45 p.m. – 2.15 p.m.	Plenary Speech (Auditorium)											
	Technical Sessions											
Session Rooms	**A1**	**A2**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F1**	**F2**	**G1**	**G2**
2.15 p.m.– 3.15 p.m.	OP 05-08	OP 17-20	OP 05-10	OP 05-08	OP 16-19	OP 05-09	OP 14-17	OP 05-10	OP 05-09	OP 14-17	OP 05-09	OP 18- 22
3.15 p.m. – 3.45 p.m.	Tea Break and Poster Session (Refreshment Lounge)											
	Technical Sessions											
Session Rooms	**A1**	**A2**	**B**	**C1**	**C2**	**D1**	**D2**	**E**	**F1**	**F2**	**G1**	**G2**
3.45 p.m. – 4.35 p.m.	OP 09-12	OP 21-23	OP 11-15	OP 09-12&22	OP 20-21& 23	-	-	OP 11 - 15	-	-	OP 10-13	OP 23- 26
4.35 p.m. - 5.00 p.m.	Concluding of Sessions and Awarding of Certificates (Session Rooms)											
5.00 p.m. onwards	Gala Dinner and Networking (Marquee – Outdoor)											

Session Name	Session Code	Session Coordinator	Venue
High Tech Agricultural Production-Session 1	HTA1	Dr. S.A.E.C. Wijesinghe	Session Room A1 – 3rd Floor
High Tech Agricultural Production-Session 2	HTA2	Dr. J.K.W.N. Subashini	Session Room A2 – 3rd Floor
Varietal Innovations and Seeds	VIS	Dr. P.S. Warakagoda	Session Room B – 1st Floor
Innovative Food Processing Technologies – Session 1	IFP1	Dr. K.M.G.K. Pamunuwa	Session Room C1 – 3rd Floor
Innovative Food Processing Technologies – Session 2	IFP2	Dr. R.H.M.K. Rathnayake	Session Room C2 – 3rd Floor
Microorganisms in Agro-Industry and Environment-Session 1	MAE1	Prof. B.L.W.K. Balasooriya	Session Room D1 – 2nd Floor
Microorganisms in Agro-Industry and Environment-Session 2	MAE2	Dr. M.J.M.S. Kurera	Session Room D2 – 2nd Floor
Aesthetic Agriculture and Environment	AAE	Ms. R.M.B.A. Bandara	Session Room E – 1st Floor
Animal Production Systems and Industry Trends-Session 1	APS1	Dr. H.K.J.P. Wickramasinghe Dr. W.A.S. Lakmali	Session Room F1 – Ground Floor
Animal Production Systems and Industry Trends-Session 2	APS2	Mr. L.B. Dunsford	Session Room F2 – Ground Floor
Agricultural & Resource Economics and Policy-Session 1	ARE1	Dr. J.M.M. Udugama	Session Room G1 – 3rd Floor
Agricultural & Resource Economics and Policy-Session 2	ARE2	Dr. T.P.S.R. Guruge	Session Room G2 – 3rd Floor
Plenary Session		Dr. W.M.W.W Kandegama	Auditorium
Poster Session		Dr. G.H.I. Anjalee Ms. L.H.N. De Silva	Refreshment Lounge (RL) – 3rd Floor

Map of the Conference Location

FAPM Administrative Building - Floor Map



Thematic Speakers of InCAPM 2025

Theme	Name of the Thematic Speaker	Affiliation	Venue (Session Room)
High-Tech Agricultural Production	Dr. WMW Weerakoon	Senior Agriculture Specialist FAO/UN	A1
Varietal Innovations and Seeds	Prof. D.P.S.T.G. Attanayaka	Dean Faculty of Science Horizon Campus	B
Innovative Food Processing Technologies	Dr. K.H. Sarananda	Former Head Department of Biosystems Engineering FAPM/ WUSL	C1
Microorganisms in Argo-industry and Environment 1	Prof. Warshi Dandeniya	Professor Faculty of Agriculture University of Peradeniya	D1
Aesthetic Agriculture and Environment	Dr. Achala Attanayaka	Director Royal Botanical Gardens Peradeniya	E
Animal Production Systems and Industry Trends	Prof. Anura P. Jayasooriya	Professor Faculty of Veterinary Medicine & Animal Science University of Peradeniya Peradeniya	F1
Agricultural & Resource Economics and Policy	Prof. Prasanthi Gunawardena	Professor Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Nugegoda	G1

Session Chairs of InCAPM 2025

Session Name	Session Code	Session Chair	Affiliation
High-Tech Agricultural Production – Session 1	HTA 1	Dr. D.S.P. Kuruppuarachchi	Former Head of the Department of Biosystem Engineering, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka Makandura, Gonawila
High-Tech Agricultural Production – Session 2	HTA 2	Prof. A. Nugawela	Director (Technical), Lalan Rubbers Pvt. Ltd., Biyagama, Sri Lanka
Varietal Innovations and Seeds	VIS	Prof. D.P.S.T.G. Attanayaka	Dean Faculty of Science, Horizon Campus, Malabe, Sri Lanka
Innovative Food Processing Technologies – Session 1	IFP 1	Prof. Ananda Chandrasekera	Professor Department of Nutrition and Dietetics Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka, Makandura, Gonawila
Innovative Food Processing Technologies – Session 2	IFP 2	Prof. K.D.P.P. Gunathilaka	Professor Department of Food Science & Technology, Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka, Makandura, Gonawila
Microorganisms in Argo-industry and Environment –Session 1	MAE 1	Prof. W.J.S.K. Weerakkody	Professor Department of Plantation Management Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka, Makandura, Gonawila

Microorganisms in Argo-industry and Environment –Session 2	MAE 2	Prof. Chamari M. Hettiarchchi	Professor Department of Chemistry, Faculty of Science University of Colombo, Sri Lanka
Aesthetic Agriculture and Environment	AAE	Prof. K. Yakandawala	Professor Department of Horticulture and Landscape Gardening, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka, Makandura, Gonawila
Animal Production Systems and Industry Trends –Session 1	APS 1	Prof. Dileepa De. Croos	Professor Department of Aquaculture and Fisheries, Faculty of Livestock Fisheries and Nutrition, Wayamba University of Sri Lanka, Makandura, Gonawila
Animal Production Systems and Industry Trends –Session 2	APS 2	Dr. H.A.W.S. Gunathilake	Senior Lecturer Department of Plantation Management, Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka, Makandura, Gonawila
Agricultural & Resource Economics and Policy- Session 1	ARE 1	Prof. H.M.L.K. Herath	Professor Department of Agribusiness Management Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka, Makandura, Gonawila
Agricultural & Resource Economics and Policy- Session 2	ARE 2	Prof. P.P.A. Wasantha Athukorala	Professor Department of Economics & Statistics University of Peradeniya, Sri Lanka

Panel Members of InCAPM 2025

Session Name	Session Code	Panel Member	Affiliation
High-Tech Agricultural Production- Session 1	HTA 1	Dr. A.S.A. Salgadoe	Head Department of Horticulture and Landscape Gardening Faculty of Agriculture and Plantation Management, Wayamba University of Sri Lanka Makandura, Gonawila
		Dr. B Ranaweera	Senior Lecturer Department of Horticulture and Landscape Gardening Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka
		Prof. Zhibing Wu	Professor, Guizhou University, China
High-Tech Agricultural Production- Session 2	HTA 2	Prof. D.C. Abeysinghe	Professor Department of Plantation Management Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka Makandura, Gonawila
		Prof. (Ms.) N.S. Kottearachchi	Professor Department of Biotechnology Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka Makandura, Gonawila
		Prof. Yawen Dong	Guizhou University, China

Varietal Innovations and Seeds	VIS	Dr. S.K. Wasala	Senior Research Consultant CIC Agribusiness
		Dr. D.S. De Zoysa Abeysiriwardena	Consultant Rice R&D Division CIC Agribusinesses, Colombo, Sri Lanka
		Prof. Meisan Zargar	Department of Agrobiotechnology, Institute of Agriculture, RUDN University, Moscow, Russia
Innovative Food Processing Technologies- Session 1	IFP 1	Dr. (Ms.) W.A.H. Champa	Senior Lecturer Bio-Statistics Unit Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka
		Dr. K.H. Sarananda	Former Head of the Department of Biosystem Engineering Faculty of Agriculture and Plantation Management Wayamba University of Sri Lanka
Innovative Food Processing Technologies- Session 2	IFP 2	Dr. (Ms.) K.M. Rathnayake	Senior Lecturer Department of Applied Nutrition Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka
		Dr. (Ms.) Piumi De A. Abeysundara	Senior Lecturer Head, Department of Food Science & Technology University of Sri Jayewardenepura Nugegoda, Sri Lanka
Microorganisms in Argo-industry and Environment – Session 1	MAE 1	Dr. Priyanga Dissanayaka	Head Soil and Plant Nutrition Division Sustainable Agriculture Research and Development Centre, Makandura, Gonawila, Sri Lanka
		Dr. Kosala Sirisena	Senior Lecturer Department of Environment Technology Faculty of Technology University of Colombo, Sri Lanka

		Prof. Zhenyu Wang	Associate Professor, Central China Normal University
Microorganisms in Argo-industry and Environment 2	MAE 2	Prof. (Ms.) Warshi S. Dandeniya	Professor Department of Soil Science Faculty of Agriculture University of Peradeniya, Sri Lanka
		Dr. (Ms.) M.A. Poorna Piyathilaka	Senior Lecturer Department of Environmental Technology Faculty of Technology University of Colombo, Sri Lanka
Aesthetic Agriculture and Environment	AAE	Dr. (Ms.) Achala Attanayake	Director (Technology Transfer & Research) Department of National Botanic Gardens Royal Botanic Gardens Peradeniya, Sri Lanka
		Prof. (Ms.) Janakie P. Eeswara	Professor Department of Crop Science Faculty of Agriculture University of Peradeniya, Sri Lanka
		Prof. Ming-Zhi Zhang	Professor, Nanjing Agricultural University (NAU), China
Animal Production Systems and Industry Trends –Session 1	APS 1	Prof. R.G.S. Wijesekara	Head Department of Aquaculture and Fisheries, Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka
		Dr. (Ms.) H.N.N. Dilrukshi	Head Department of Livestock & Avian Sciences, Faculty of Livestock Fisheries and Nutrition Wayamba University of Sri Lanka
Animal Production Systems and Industry Trends- Session 2	APS 2	Dr. (Ms) A.G.S.S. Darshani	Senior Lecturer Department of Aquaculture & Fisheries Faculty of Livestock Fisheries & Nutrition Wayamba University of Sri Lanka

		Dr. K.K. Asanka Sanjeewa	Senior Lecturer Department of Biosystems Technology Faculty of Technology University of Sri Jayewardenepura, Sri Lanka
Agricultural & Resource Economics and Policy – Session 1	ARE 1	Dr. Sanjaya Fernando	Senior Lecturer Department of Agricultural Systems Faculty of Agriculture Rajarata University of Sri Lanka Puliyankulama, Anuradhapura
		Dr. W.A.I. Lakmal	Senior Lecturer Department of Banking and Finance Faculty of Business Studies and Finance Wayamba University of Sri Lanka Kuliyapitiya, Sri Lanka.
Agricultural & Resource Economics and Policy – Session 2	ARE 2	Dr. Emil Uduwalage	Senior Lecturer Department of Accountancy Faculty of Business Studies and Finance Wayamba University of Sri Lanka Kuliyapitiya, Sri Lanka
		Dr. Wasanthi Wickramasinghe	Research Director Marga Institute for Development Studies Ethul Kotte, Sri Lanka

Technical Sessions

Theme: High-Tech Agricultural Production (HTA)			
Parallel Session: Session 1			
Time: 11.15 a.m. - 4.25 p.m.		**Venue:** Session Room A1	
Session Chair: Dr. D.S.P. Kuruppuarachchi			
Session Coordinator: Dr. (Ms.) S.A.E.C. Wijesinghe			
Panel Members: Dr. A.S.A. Salgadoe Dr. B. Ranaweera Prof. Zhibing Wu			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. - 11.55 a.m.	**OP 01**	**112**	**Silvopasture System: A Green Climate Solution** *Herath H. M. I. K., Mclaren S. and Fletcher A.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**211**	**Blueberry Maturity Detection and Counting *via* Multi-stage Visual Perception and Machine Learning** *Wang H, Wang L., Zhao L., Gu H., Wan X. and Wang Q.*
12.05 p.m. - 12.15 p.m.	**OP 03**	**27**	**Effects of Solar-Powered LED Lighting on the Growth and Quality of Nursery Tea Plants** *Wijesinghe R. J., Weerarathna I. D., Ekanayake J. B., Samaranayake L., Mohotti K. M., Kumarihami H. M. P. C., Damayanthi M. M. N., Indramali O. S., Suriyagoda L. D. B., Benaragama C. K. and Mohotti A. J.*
12.15 p.m. - 12.25 p.m.	**OP 04**	**183**	**Impact of Magnesium Oxide and Copper Oxide Nanoparticle Dispersions on Surface Sterilisation of *Sansevieria trifasciata* L. for Micropropagation** *Gimhani H. N. C., Withana H. N., Kandanapitiya M. S. and Kottearachchi N. S.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 05**	**160**	**Globally Ultra-Trace Intelligent Detection of Hydrazine in Eco-Environment with Ratiometric Fluorescent Bioimaging** *Li X. and Hao G.*

2.25 p.m. – 2.35 p.m.	**OP 06**	**214**	**GIS-Based Land Suitability Model for Cinnamon in the Mahaweli H System in Sri Lanka** *Wimalasiri E.M., De Soysa E. J. S. and Mendis H. S. C.*
2.35 p.m. – 2.45 p.m.	**OP 07**	**150**	**Development of an *In vitro* Protocol for Efficient Shoot Proliferation in *Murraya koenigii*** *Premasiri W. M. A. C., Fonseka D. L. C. K. and Terensan S.*
2.45 p.m. – 2.55 p.m.	**OP 08**	**178**	**Host Plant Associations of Aphid Species (Aphididae) in the Garden of University of Peradeniya, Sri Lanka** *Dilanka L. B. T. and Jayasinghe W. H.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 09**	**20**	**Yield and Soil Fertility in a Paddy Cultivated Vertisol Amended with Rice Husk Biochar or Compost** *Lewkebandara H.G., Manamperi N. P., Gunawardhana D., Munasinghe T. and Dharmakeerthi R. S.*
3.55 p.m. – 4.05 p.m.	**OP 10**	**19**	**Classification of Cinnamon (*Cinnamomum verum*) Leaf Diseases and Pests Using Transfer Learning** *Senanayake M. M. V. and De Silva N. M. T.*
4.05 p.m. – 4.15 p.m.	**OP 11**	**103**	**Impact of Hardness of Irrigation Water on Growth and Yield of Gherkin (*Cucumis sativus* L.)** *Piyumal M. D. R., Wijesuriya W. M. H. H., Kumarasinghe H. K. M. S. and Sampath K. H. H. U.*
4.15 p.m. – 4.25 p.m.	**OP 12**	**58**	**Evaluating the Potential of Biogenic Hydrolysates to Enhance Lettuce (*Lactuca sativa* L.) Productivity and Soil Health** *Karunarathne J.M.G.M.T., Fernando D H.M.L., Wang L., Weerarathna E.K.W.W. and Kandegama W.M.W.W.*

Theme: High-Tech Agricultural Production (HTA)			
Parallel Session: Session 2			
Time: 11.45 a.m. - 4.15 p.m.		**Venue:** Session Room A2	
Session Chair: Prof. A. Nugawela			
Session Coordinator: Ms. J.K.W.N. Subashini			
Panel Members: Prof. D.C. Abeysinghe Prof. (Ms.) N.S. Kottearachchi, Prof. Yawen Dong			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 13**	**156**	**Utilising UAV-based Vegetation Indices to Predict SPAD Values in Paddy Rice Fields** *Fonseka C. L. I. S., Hewagamagea K. P., Rathnayake U., Halloluwa T. and Bandara R. M. U. S.*
11.55 a.m. – 12.05 p.m.	**OP 14**	**31**	**An Automated Ripeness and Surface Defect Detection System for Pineapple** *Weragoda W. G. D. R. S. and Gonagala K. B.*
12.05 p.m. – 12.15 p.m.	**OP 15**	**180**	**Design, Synthesis, Biological Activity and Mechanism Study of 1,3,4-Oxadiazole Sulfonamide Derivatives** *Ren X., Ruan R., Wang F., Zhou X. and Jin L.*
12.15 p.m. – 12.25 p.m.	**OP 16**	**166**	**Effects of Various Growing Media and Harvesting Periods on Yield and Quality Parameters of Mustard (*Brassica juncea*) Microgreens** *Samarakoon D. M. A. D., Ranasinghe A., Herath U. S. and Egodawatta W. C. P.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 17**	**147**	***In vitro* Propagation of *Flueggea leucopyrus* (*Katupila*) through Nodal Cultures** *Prasadini W. G. D., Madushani W. G. I. and Fonseka D. L. C. K.*
2.25 p.m. – 2.35 p.m.	**OP 18**	**162**	**Effectiveness of Organomineral Nutrient Sources: Biosolids and Sugarcane Filter Cake on Okra Production and Physicochemical Properties of Sandy Regosols** *Kosgallane M. P. and Premanandarajah P.*

2.35 p.m. – 2.45 p.m.	**OP 19**	**228**	**Impact of Silicon Application on Yield and Quality of Salad Cucumber (*Cucumis sativus* L.) under Protected Culture** *Wimalasiri E.M., Kodikara K.M.S. and Prasadi B.A D.*
2.45 p.m. – 2.55 p.m.	**OP 20**	**33**	**Nutrient Budgeting for Cashew Plantations in Sri Lanka: Addressing Yield Gaps through Optimised Nutrient Supply** *Guruge K.C., Herath H.M.I K. and Herath H.M.S.P.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 21**	**177**	**Evaluating the Effectiveness of a Compound Fertiliser on Grain Yield of Paddy Cultivated in Dry Zone of Sri Lanka** *Vibhushana W.G.C., Kulasiri A.H. and Gamage D.N.V.*
3.55 p.m. – 4.05 p.m.	**OP 22**	**63**	**Determining the Growth and Yield Performance of Seasonal Crops Cultivated Using Fish Hydrolysate Liquid Fertiliser** *Kandegama W. M. W. W., Karunarathne J. M. G. M. T., Weerarathna E. K. W. W., Chen W., Weerakkody G. K. and Dasanayake A. D. S. L.*
4.05 p.m. – 4.15 p.m.	**OP 23**	**142**	**Design, Synthesis, Biological Activity and Mechanism of Action of Streptochlorin Derivatives** *Duan F. and Zhang M.*

Theme: Varietal Innovations and Seeds (VIS)			
Time: 11.15 a.m. -4.15 p.m.		**Venue:** Session Room B	
Session Chair: Prof. D.P.S.T.G. Attanayaka			
Session Coordinators: Dr. (Ms.) P.S. Warakagoda			
Panel Members: Dr. S.K. Wasala Dr. D.S. De Zoysa Abeysiriwardena Prof. Meisan Zargar			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**18**	**An Indel in the Promoter of CsFGT Determines Quercetin Tri-glycoside Content in Different Germplasm of *Camellia sinensis*** *Zhang W., Fang Z., Zheng X., Ye J. and Lu J.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**22**	**Establishment of Virus-induced Gene Silencing System in Tea Plant and Its Application in Gene Function Exploration** *Chi N., Zheng X., Zhao D., Liang Y. R. and Lu J.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**24**	**The *CsLHCB1.1* is Responsible for Temperature Sensitivity and Leaf Color Phenotype in Albino Tea Plant** *Ye J. J., Lu J. L., Liang Y. R. and Zheng X. Q.*
12.15 p.m. – 12.25 p.m.	**OP 04**	**25**	**Physiological Response Mechanisms of the Tea Plant (*Camellia sinensis L.*) under Drought Stress** *Zhang X. H., Huang L. Y., Lu J. L., Liang Y. R. and Zheng X. Q.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 05**	**32**	**Characterization and Evaluation of Brinjal (*Solanum melongena L.*) Germplasm for Yield, Quality, and Resistance to Bacterial Wilt** *Premadasa A. G. S. K., Pathirana M. G. S. P., Kusalani T. L. C. N., Herath H. M. S. N. and Jayaprada N. V. T.*
2.25 p.m. – 2.35 p.m.	**OP 06**	**55**	**Potential of Callus Induction and Plant Regeneration of Ugandan Rice Genotypes through Anther Culture** *Buttibwa M., Eyokia M., Baguma J. K., Wagaba H., Lamo J. and Tugume A.*

2.35 p.m. – 2.45 p.m.	**OP 07**	**149**	**Micropropagation of Banana (*Musa Spp*.) using Nanoparticles: A Sustainable Approach for Clonal Propagation** *Anasooya R., Thiruchchelvan N. and Mikunthan G.*
2.45 p.m. – 2.55 p.m.	**OP 08**	**167**	**Detection of Rice Blast Resistance Genes in *Attakkari* Rice Cultivar** *Kishanthan A., Terensan S., Gajapathy K. and Ponnegipprenthiraraja A.*
2.55 p.m.- 3.05 p.m.	**OP 09**	**181**	**Exploring Nucleotide Variants Related to Salt Tolerance Mechanisms in Two Different *Indica* Rice Varieties** *Kumarasiri L. P. M., Pathirana R. P. P. S., Amath S. M. and Kottearachchi N. S.*
3.05 p.m.- 3.15 p.m.	**OP 10**	**185**	**Unravelling the Mystery of Grain Filling: A Molecular Approach for Manipulation of Yield Enhancement in Rice for Boosting Farmers' Economy** *Kariali E.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 11**	**203**	**Cryo-EM Reveals Eukaryotic CIII Subunit Dynamics and Catalytic Efficiency** *Chen Q., Lin H. and Ye Y.*
3.55 p.m.- 4.05 p.m.	**OP 12**	**231**	**Optimal Planting Density for Sustainable Cashew (*Anacardium occidentale L.*) Production in the Dry Zone (DL3) of Sri Lanka** *Jayawardana H. M. A. S., Wijetunge P. M. A. P. K., Liyanarachchi H. L. A. N. T., Jayasekara S. J. B. A., Attanayaka D. P. S. T. G., Abeysinghe D. C. and Wijesuriya W.*
4.05 p.m.- 5.15 p.m.	**OP 13**	**263**	**Exploring the Binding Interactions of Potential Bioactive Agents in *Aegle marmelos* Against Leishmania: A Molecular Docking and ADME-Tox Study** *Kaviththira P. and Fernando T. D.*
3.55 p.m. – 4.05 p.m.	**OP 14**	**281**	**Response of Interploidy Crosses on Seed Formation and Ploidy Levels of Progeny in Citrus** *Song K. J., Oh E. U. and Han S.*
4.05 p.m. – 4.15 p.m.	**OP 15**	**283**	**Insights into DNA Barcoding and RNA Secondary Structure Predictions: Probing Genetic Discrimination among Wild and Cultivated Species of Various Horticultural Crops** *Sahoo M. R.*

Theme: Innovative Food Processing Technologies (IFP)			
Parallel Session: Session 1			
Time: 11.15 a.m.-4.25 p.m.		**Venue:** Session Room C1	
Session Chair: Prof. Ananda Chandrasekera			
Session Coordinator: Dr. (Ms.) K.M.G.K. Pamunuwa			
Panel Members: Dr. K.H. Sarananda Dr. (Ms.) W.A.H. Champa			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**5**	**Fractionation of Polysaccharides from Brown Seaweeds (*Sargassum*) Species in Sri Lanka and Evaluation of Antioxidant Activity** *Nimesha H.J.R., Awanthi M.G.G. and Jayasinghe P.S.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**107**	**Characterization of Chemically and Physically Modified Cassava Starch and Their Applications in Food Models** *Dissanayake D. M. P. K. G. N. D., Ranathunga R. A. A., Perumpuli P. A. B. N. and Hennayake H. M. N. D. B.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**23**	**Suitability Evaluation of Different Tea Cultivars (*Camellia sinensis* (L.) Kuntze) for Manufacturing Pingyang Huangtang** *Wu S., Hu S., Zheng, X., Liang, Y. and Lu J.*
12.15 p.m. – 12.25 p.m.	**OP 04**	**226**	**Physicochemical Characterization of a Goat Milk-Cow Milk Blended Yoghurt Supplemented with Probiotics and Coconut (*Cocos nucifera*) Treacle During Refrigerated Storage** *Herath H. M. S. W. K. and Rasika D. M. D.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 05**	**10**	**Quality Parameters of Dietary Fibre Concentrates Obtained from Coconut Kernel Residue, Banana Peels and Pineapple Peels** *Kularathna E. N. T., Bandara, B. G. R. R., Fernando G. S. N. and Yalegama, L. L. W. C.*

2.25 p.m. – 2.35 p.m.	**OP 06**	**171**	**Application of Modified Tapioca Starch as a Binder in the Development of Gluten-Free Chicken Meatballs** *Indumini M.V.C., Gunaratne A. and Gunathilaka L.A.C.*
2.35 p.m. – 2.45 p.m.	**OP 07**	**29**	**Formulation and Clinical Evaluation of a Herbal Tea with Hypotensive Benefits Using *Rauvolfia serpentine, Crateva adansonii* and Terminalia arjuna as Key Ingredients** *Rangika R. N., Bokanda B. W. G. V. V., Bandara K. M. N. P. K., Darvin S. S., Karunarathne M. D. K. and Wimalakeerthi W. M. B.*
2.45 p.m. – 2.55 p.m.	**OP 08**	**40**	**Physicochemical, Techno-Functional and Antioxidant Properties of Palmyrah (*Borassus flabellifer L.*) Tuber Flour and Wheat (*Triticum aestivum*) Flour Blends and Their Applicability in Pizza Base** *Akshana R. S., Balakrishna P., Robika K., Sajiwanie J. W. A. and Srivijeindran S.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 09**	**41**	**Development of Fish Burger Patty from Silver Carp (*Hypophthalmichthys molitrix*) and Evaluate Its Quality Parameters** *Ranasinghe B.G.R.T., Sanuja R.G., Fernando G.S.N. and Rathnapala J.M.S.N.*
3.55 p.m. – 4.05 p.m.	**OP 10**	**117**	**Exploring the Influence of Selected Sri Lankan Sweet Potato Cultivars and Frying Techniques on the Development of Sweet Potato Kenpi** *Thudugala P. K., Perumpuli P. A. B. N. and Fernando H. R. P.*
4.05 p.m. – 4.15 p.m.	**OP 11**	**127**	**Optimization of Fermentation Time to Enhance Antioxidant Activity, Flavonoid Content, and pH of a Beverage Developed Using *Coffea arabica* Seed and Pulp Powder** *Abijah P. and Hettiarachchi H. A. P. W.*
4.15 p.m. – 4.25 p.m.	**OP 22**	**45**	**Evaluation of Bacteriocin Production from *Lactococcus sp.* and Their Potential as Biopreservatives** *Gupta C.*

Theme: Innovative Food Processing Technologies (IFP)			
Parallel Session: Session 2			
Time: 11.45 a.m.-4.15 p.m.		**Venue:** Session Room C2	
Session Chair: Prof. K.D.P.P. Gunathilaka			
Session Coordinator: Dr. (Ms.) R.H.M.K. Rathnayake			
Panel Members: Dr. (Ms.) K.M. Rathnayake Dr. (Ms.) Piumi De A. Abeysundara			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 12**	**259**	**Anti-Inflammatory and Antioxidant Activity of Agaricus *bisporus* and *Lentinula edodes*, Two Edible Mushrooms Cultivated in Sri Lanka** *Pabasara G. V. S., Fernando M. D. M. and Abeysekera W. K. S. M.*
11.55 a.m. – 12.05 p.m.	**OP 13**	**172**	**Enhancing Flavour and Nutritional Value of Mandarin (*Citrus nobilis*) Jelly Using Natural Pectin and Rambutan (*Nephelium lappaceum* L.) Flakes** *Samaranayake K. G. D., Liyanage G. L. R. P. and Senarathne S. M. A. C. U.*
12.05 p.m. – 12.15 p.m.	**OP 14**	**182**	**Efficacy of Wax Coatings in Extending the Storage Life and Postharvest Quality Management in 'Tom EJC' Mangoes in Sri Lanka** *Muthumal T. G. M., Jayarathne D. G. D. D. S., Dissanayake P. K., Sewwandi D. D. P., Ekman J., Tan D. K. Y. and Hewajulige I. G. N.*
12.15 p.m. – 12.25 p.m.	**OP 15**	**246**	**Antioxidant Potential of Underutilized Flours: A Comparative Analysis with Refined Wheat Flour** *Nirmani N. S., Jayathilake C., Liyanage R., Wickamasinghe I. and Jayasinghe M. A.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 16**	**201**	**Effect of Probiotics and Coconut Treacle on Microbial and Organoleptic Properties of Yoghurt Made from Cow and Goat Milk Blend** *Tissera W. M. W. and Rasika D. M. D.*

2.25 p.m. – 2.35 p.m.	**OP 17**	**145**	**Effects of Concentration and Processing Conditions on the Stability of *Bacopa monnieri* and Virgin Coconut Oil-in-Water Emulsion** *Binduhewa A. M. C. U., Ranasinghe P. and Godakumbura P. I.*
2.35 p.m. – 2.45 p.m.	**OP 18**	**8**	**Evaluating the Feasibility of Iron Fortification into the Rice Grains through Parboiling Process** *Gunathilaka M. D. K. A., Herath H. M. T. and Fernando G. S. N.*
2.45 p.m. – 2.55 p.m.	**OP 19**	**184**	**Effect of Oil Extraction on Proximate Composition of Sesame Seeds of Two Varieties: *Uma* and ANKSE3** *Sazna M. F. F., Fahmidha H. F., Madujith T. and Marikkar J. M. N.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 20**	**260**	**Development of Butterfly Pea Flower-Enriched Cosmetic Formulation for Industrial Application** *Weerasiri K. P. A. K., Liyanaarachchi G. D. and Kottearachchi N. S.*
3.55 p.m. – 4.05 p.m.	**OP 21**	**230**	**Development and Evaluation of a Dairy-Based Ready-to-Serve Beverage Supplemented with Probiotics and Blue Pea Flower (*Clitoria ternatea*) Extract** *Weerasekara N. P. M. S. and Rasika D. M. D.*
4.05 p.m. – 4.15 p.m.	**OP 23**	**91**	**Formulation and Development of an Alcoholic Tea Beverage Using Tea Leaves (*Camellia sinensis L.*)** *Wijewickrama H. A. S., Kaushalya K. C., Premachandra E. G. S. M., Wijewardhana U. S. and Jeewanthi P. B. D.*

Theme: Microorganisms in Agro-Industry and Environment (MAE)			
Parallel Session: Session 1			
Time: 11.45 a.m.-2.55 p.m.		**Venue:** Session Room D1	
Session Chair: Prof. W.J.S.K. Weerakkody			
Session Coordinator: Prof. (Ms.) B.L.W.K. Balasooriya			
Panel Members: Dr. Priyanga Dissanayaka Dr. Kosala Sirisena Prof. Zhenyu Wang			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**256**	**Biological Management of Basal Rot of Onion by Soil Amendment with *Sisymbrium irio* and *Trichoderma* Species** *Javaid A., Akhtar R. and Shoaib A.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**109**	**Detection of Common Virus Diseases of Passionfruit (*Passiflora edulis*) in Colombo and Kalutara Districts in Sri Lanka** *Jayarathne D.G.D., Basnayake B.M.V.S., Tharindi P.W.M., Aluthge A.D.R.P. and Dissanayake M.L.M.C.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**50**	**Isolation, Detection and Antibiotic Sensitivity of *Listeria monocytogenes* in Pasteurized Milk Collected from Colombo District, Sri Lanka** *Shanu M. S. F., Thalpavila T. S., Silva D. A. D. V. and Wijendra W. A. S.*
12.25 p.m. – 12.35 p.m.	**OP 05**	**108**	***Trichoderma virens* as an Effective Biological Control Agent Against *Rigidoporus microporus*, the Causative Agent of White Root Disease in Rubber (*Hevea brasiliensis*) Plantations** *Fernando T. H. P. S. and Aberathne A. H. M. N. R.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 06**	**136**	**Properties and Potentials of Mycelium-Based Composites Developed by *Pleurotus ostreatus* and, *Schizophyllum* sp., on Textile Wastes for Bio-based Packaging** *Tharaka K. S. and Athukorala A. D. S. N. P.*

2.25 p.m. – 2.35 p.m.	**OP 07**	**227**	**Potential of Cyanobacteria Species for Biodegradation of Synthetic Azo Dyes in Textile Industry** *Ramodya M.P.S.K., Rathnayake R. and Kumara K.L.W.*
2.35 p.m. – 2.45 p.m.	**OP 08**	**251**	**Seasonal Variation of Microbial Community in Paddy Fields Under Organic and Conventional Farming: A Case Study from Sri Lanka** *Premachandra M. V. N., Boyagoda S. H., Gunaratne A. M. T. A., Abeysundara H. T. K., Madawala H. M. S. P. and Nanayakkara B. S.*
2.45 p.m.- 2.55 p.m.	**OP 09**	**255**	**Antibacterial Activity of Pomelo (*Citrus maxima*) Peel Extracts Against Fish Pathogenic Bacteria, *Vibrio parahaemolyticus* and *Pseudomonas aeruginosa*** *Galappaththi S. V., Costa A. M. K. C. J. and Rathnapala J. M. S. N.*

Theme: Microorganisms in Agro-Industry and Environment (MAE)			
Parallel Session: Session 2			
Time: 11.45 a.m.-3.05 p.m.		**Venue:** Session Room D2	
Session Chair: Prof. Chamari M. Hettiarachchi			
Session Coordinator: Dr. M.J.M.S. Kurera			
Panel Members: Prof. (Ms.) Warshi S. Dandeniya Dr. (Ms.) M.A. Poorna Piyathilaka			
Time	**OP No**	**Abstract ID**	**Title**
11.45 p.m. – 11.55 p.m.	**OP 10**	**163**	**Antimicrobial and Weedicidal Potential of Crude Acetone Extracts of Selected Lichen Species in Sri Lanka** *De Silva A. C. L., Athukorala A. D. S. N. P. and Gunawardana W. G. D. I.*
11.55 a.m. – 12.05 p.m.	**OP 11**	**48**	**Characterization of Antimicrobial Lipophilic Constituents in Wild *Pleurotus ostreatus* from Murree Hills, Pakistan** *Asif U., Akbar M. and Khalil T.*
12.05 p.m. – 12.15 p.m.	**OP 12**	**264**	**Effect of *Trichoderma* sp. For the Management of Banana Anthracnose Caused by *Colletotrichum musae*** *Madhushani D. R. I., Ferdinand J. J. M. N. and Rienzie K. D. R. C.*
12.15 p.m. – 12.25 p.m.	**OP 13**	**196**	**Arbuscular Mycorrhizal Fungi Drive Mulberry Root Nitrogen Uptake via Soil Microbial Mechanisms** *Wu Z. and Zhang H.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 14**	**253**	**Isolation and Identification of Native Entomopathogenic Fungi from Mycotic Insect Cadavers** *Gunasekara M. S., Bamunuarachchige T. C., Hettiarachchi D. K., and Wijayawardene N. N.*
2.25 p.m. – 2.35 p.m.	**OP 15**	**130**	**Isolation, Identification and Characterization of *Microalgae Chlorella* sp. From Palm Oil Mill**

			Effluent (POME) Ponds for Biotreatment of Wastewater *Indumini U. A. R., Balasooriya B. L. W. K., Bandara N. G. C. A. and Rathnayake R. M. D.*
2.35 p.m. – 2.45 p.m.	**OP 16**	**134**	**Effects of Autoclaved Aerated Concrete (AAC) on N_2O Emissions from Paddy Soil Under Laboratory Aerobic Conditions** *Rathnayake N. R. R. W. S., Leelamanie D. A. L. and Liyanage T. D. P.*
2.45 p.m.- 2.55 p.m.	**OP 17**	**254**	**Evaluating *Bacillus subtilis* and *Trichoderma* sp. As Biological Control Agents for Controlling Post-Harvest Rhizopus Rot in Tomato** *Ferdinand J. J. M. N., Madhushani D. R. I. and Rienzie K. D. R. C.*
2.55 p.m.- 3.05 p.m.	**OP 04**	**97**	**Biological Characteristics of *Alternaria alternata* Strain JM and the Potential as a Biocontrol Agent for *Descurainia sophia*** *Li J. Y., Sun X. Y., Jiang B., Lyu Q. H., Liu G. P., Bai S. and Li L. X.*

Theme: Aesthetic Agriculture and Environment (AAE)			
Time: 11.45 a.m.-4.35 p.m.		**Venue:** Session Room E	
Session Chair: Prof. K. Yakandawala			
Session Coordinator: Ms. R.M.B.A. Bandara			
Panel Members: Dr. (Ms.) Achala Attanayake Prof. (Ms.) Janakie P. Eeswara Prof. Ming-Zhi Zhang			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**11**	**Performance Evaluation of Marigold (*Tagetes erecta* L.) Varieties for Yield-related Parameters** *Attanayake A.M.A.S., Eeswara J.P. and Kumari S.S.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**7**	**A GIS-based Analysis of the Coral Reef Ecosystems in Sri Lanka** *Madhubhashini E. T. S.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**30**	**Efficacy of Selected Botanicals against Aphid (*Myzus persicae*) in Laboratory Conditions** *Thalagala T. D. V. and Hemachandra K. S.*
12.15 p.m. – 12.25 p.m.	**OP 04**	**43**	**Allelopathic Potential of Dryland Plant Extracts Combined with Reduced Herbicide Dose as Pre-emergence Application against Purple Nutsedge (*Cyperus rotundus* L.)** *Iqbal J., Aimen S., Aziz A. and Javaid M. H.*
Session Break			
2.15 p.m.- 2.25 p.m.	**OP 05**	**52**	**Application of Soft Computing Techniques for Soil Salinity Estimation in Native Paddy Cultivation of Sri Lanka** *Premathilake K. C. M. C. and Premarathne U. S.*
2.25 p.m.- 2.35 p.m.	**OP 06**	**92**	**Chemical Nutrient Status of Soils in Different Drainage Blocks in Research Farm at Puliyankulama, Anuradhapura** *Silva M. D. S. and Duminda D. M. S.*
2.35 p.m. – 2.45 p.m.	**OP 07**	**94**	**Assessing Bird Biodiversity and Ecological Significance across Anthropogenic Landscapes in the *Mathatilla* River Valley, Sri Lanka** *Chathuranga H. N., Senanayake F. R., Sankalana K. M. V., Chandana M. K. L. and De Zoysa D.*

2.25 p.m. – 2.35 p.m.	**OP 08**	**165**	**Enhancing Okra (*Abelmoschus esculentus* L.) Production through a Pollinator Habitat** *Kusumsiri W. B. U., Yakandawala K., Wijetunga A. D. M. A. K. and Herath H. M. D. N.*
2.35 p.m. – 2.45 p.m.	**OP 09**	**173**	**Phytochemical Profiling and Antibacterial Activity of Essential Oil of *Dombeya spectabilis* Leaves from Pakistan** *Ferdosi M. F. H. and Javaid A.*
2.45 p.m. – 2.55 p.m.	**OP 10**	**175**	**Predicting Climate Change Impact on *Lagenandra praetermissa* Distribution** *Madola I., Yakandawala K., Karunarathne S. B. and Yakandawala D. M. D.*
Session Break			
3.45 p.m. – 3.55 p.m	**OP 11**	**190**	**Evaluation of Phenol Content and Development of Herbal Sunscreen Formulations using *Thespesia populnea* (L.) Sol. ex Corrêa, *Cascabela thevetia* (L.) Lippold and *Abutilon indicum* (L.) Sweet** *Nifla M. R. F. and Manoranjan T.*
3.55 p.m. – 4.05 p.m	**OP 12**	**207**	**Potential Agrochemical Pollution in Selected Dry Zone Reservoirs in Sri Lanka** *Lakchani D. T., Jayasinghe U. A. D., Maithreepala R. A. and Ulrich U.*
4.05 p.m. – 4.15 p.m	**OP 13**	**222**	**Characterization of Aromatic, Morphological, and Genetic Diversity in Mexican Mint (*Plectranthus amboinicus*) for Sustainable Fragrance and Medicinal Applications** *Anushika C. M., Terensan S. and Gajapathy K.*
4.15 p.m.- 4.25 p.m.	**OP 14**	**223**	**Morphological and Molecular Analysis of Ant Mouthparts to Explore Functional and Evolutionary Adaptations** *Sulakshana T., Terensan S. and Gajapathy K.*
4.25 p.m.- 4.35 p.m.	**OP 15**	**233**	**Effectiveness of Insecticides for the Control of Cashew Stem and Root Borer (*Plocaederus ferrugineus* L.)** *Jayawardana H. M. A. S., Wijetunge P. M. A. P. K., Liyanarachchi H. L. A. N. T., Ranaweera B. and Wijesuriya W.*

Theme: Animal Production Systems and Industry Trends (APS)			
Parallel Sessions: Session 1			
Time: 11.45 a.m.-3.05 p.m.		**Venue:** Session Room F1	
Session Chair: Prof. Dileepa De. Croos			
Session Coordinators: Dr. H.K.J.P. Wickramasinghe Dr. (Ms.) W.A.S. Lakmali			
Panel Members: Prof. R.G.S. Wijesekara Dr. (Ms.) H.N.N. Dilrukshi			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**75**	**Cool Wrap Technology for Milk Canisters: Preserving Raw Milk Microbial Quality during Transportation by Smallholder Dairy Farmers in Sri Lanka** *Praveen C. and Kodithuwakku K. A. H. T.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**101**	**Optimizing Water Quality Stability, Fish Health and Survival in Aquaculture through Probiotic and Herbal Feed Additives** *Lageeshan V., Pushpitha N. P. G. and Haakkil N. M.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**113**	**The Effect of Hen Age on Egg Weight, Hatching Performance, Length and Weight of Chicks** *Perera P.H.K., Ranaweera A.L. and Atapattu N.S.B.M.*
12.15 p.m. – 12.25 p.m.	**OP 04**	**118**	**Effects of Dried Seaweed Supplementation on Growth Performance and Gastrointestinal Development of Broiler Chicken in Sri Lanka** *Tharushika W. A. P. D. and Kodithuwakku K. A. H. T.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 05**	**122**	**Roadside Forage Silage with Pineapple Peel: A Cost-Effective Strategy to Address Forage Shortages in Sri Lanka** *Dissanayake K. G. V., Vithana H. M. T. O., Prathapasinghe G. A. and Kodithuwakku K. A. H. T.*
2.25 p.m. – 2.35 p.m.	**OP 06**	**126**	**Provision of an Additional Dust Bath Area to Enhance the Welfare of Broiler Chickens**

			Abeyrathne K. M. N. I., Bandara R. M. A. S. and Senanayake M. P.
2.35 p.m. – 2.45 p.m.	**OP 07**	**179**	**Hatchery Performance, Embryonic Development and Chick Quality in Double Yolk Eggs of Layer Breeder Chickens** *Moragoda M. A. H. S., Bandara R. M. A. S. and Mahindarathna J.*
2.45 p.m.- 2.55 p.m.	**OP 08**	**187**	**The Impact of Broiler Breed Types on Breast Meat Quality Parameters** *Wijerathna M. G. N. T., Gunaratne D. M. A. and Zoyza W. G. M.*
2.55 p.m.- 3.05 p.m.	**OP 09**	**217**	**Effect of Eggshell Porosity for the Hatchery Performance with the Age of Cobb 500 Broiler Breeders** *Hemarathna D. D. T. M., Munasinghe M. A. J. P., Sandaruwan L. and Kospalawaththe P.*

Theme: Animal Production Systems and Industry Trends (APS)			
Parallel Sessions: Session 2			
Time: 11.45 a.m.-2.55 p.m.		**Venue:** Session Room F2	
Session Chair: Dr. H.A.W.S. Gunathilake			
Session Coordinator: Mr. L.B. Dunsford			
Panel Members: Dr. (Ms.) A.G.S.S. Darshani Dr. K.K. Asanka Sanjeewa			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 10**	**220**	**Efficiency of Different Supportive Feeders on Training Broiler Chicks for Feeding in the Brooding Period** *Premarathna E. G. S. D., Bandara R. M. A. S. and Welagedara D. G.*
11.55 a.m. – 12.05 p.m.	**OP 11**	**232**	**Impact of *Azolla pinnata* (Azolla) Supplementation on Crossbred Jersey Heifer Calves Undergoing a Stepdown Early Weaning Scheme** *Perera I. P. S. and Wickramasinghe H. K. J. P*
12.05 p.m. – 12.15 p.m.	**OP 12**	**234**	**Assessment of Fatty Acid Profile and Antioxidant Properties of Sea Cucumber Obtained from Northern Coastal Areas of Sri Lanka** *Athauda A. A. H. I., Shanuke D. S., Bandara W. M. M. D., Nishanthan G. and Rathnayake H. A.*
12.15 p.m. – 12.25 p.m.	**OP 13**	**237**	**Impact of Free Access to Drinking Water on Starter Intake, Growth, and Health of Crossbred Jersey Heifer Calves Undergoing a Stepdown Early Weaning Transition** *Perera O. N. M. and Wickramasinghe H. K. J. P.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 14**	**238**	**Impact of Age, Sex, Live Weight, Holding Time at Lairage on Carcass Yield and Water Holding Capacity in Cobb 500 Broilers** *Hitige P.K., Munasinghe M A.J.P. and Ayona T.A.W.*

2.25 p.m. – 2.35 p.m.	**OP 15**	**247**	**Exploring the Global Goat Milk Industry through Cluster Analysis: A Comprehensive Review for Uncovering Regional Insights** *Rochelle E. J. S., Divarathna H. K. D. M. P. L., Kuruppu I. V. and Guruge T. P. S. R.*
2.35 p.m. – 2.45 p.m.	**OP 16**	**279**	**Development of a Low-Cost Diagnostic Model for Early Mastitis Detection in Small-Scale Dairy Farms Using Milk Quality Parameters** *Shaswin M.N.F., Perera D.S., Janaka Priyadarshana P.A.D., Chinthaka U.G.S. and Kodithuwakku K.A.H.T.*
2.45 p.m. – 2.55 p.m.	**OP 17**	**280**	**Effect of Dried Seaweed Supplementation on Growth Performance and Hindgut Environment of Pre-Weaning Lambs** *Fernando P. D. R., Samla M. R. F. and Kodithuwakku K. A. H. T.*

Theme: Agricultural & Resource Economics and Policy (ARE)			
Parallel Sessions: Session 1			
Time: 11.45 a.m.-4.25 p.m.		**Venue:** Session Room G1	
Session Chair: Prof. H.M.L.K. Herath			
Session Coordinator: Dr. (Ms.) J.M.M. Udugama			
Panel Members: Dr. Sanjaya Fernando Dr. W.A.I. Lakmal			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 01**	**21**	**Value Addition through Technological Innovation: KPIs as Catalysts for Growth in Sri Lanka's Export-Oriented Plantation Sector** *Fernando S. N. S., Abeysiriwardana P. C. and Jayasinghe-mudalige U. K.*
11.55 a.m. – 12.05 p.m.	**OP 02**	**83**	**Uncovering the Economic Value of Green Spaces: A Land Valuation Study in Colombo District, Sri Lanka** *Dissanayake D. M. W. S. H., Fernando W. A. M. and Edirisinghe J. C.*
12.05 p.m. – 12.15 p.m.	**OP 03**	**17**	**Factors Influencing the Abandonment of Cinnamon Oil Distillation Units in Matara District, Sri Lanka: A Comprehensive Analysis** *Jayasinghe S. M., Sandika A. L. and Widanapathirana C. U.*
12.15 p.m. – 12.25 p.m.	**OP 04**	**68**	**Households' Demand for Disaggregated Meat Products in Sri Lanka: A Censored Quadratic Almost Ideal Demand System Model** *Musthifa B., Sivashankar S., Sooriyakumar K. and Sarujan S.*
Session Break			
2.15 p.m. – 2.25 p.m.	**OP 05**	**57**	**Market Dynamics and Strategic Growth Opportunities in Sri Lanka's Floriculture Export Sector** *Heenkenda H. M. K. A., Wanshaja K. A. D. P., Kuruppu I. V. and Guruge T. P. S. R.*

2.25 p.m. – 2.35 p.m.	**OP 06**	**121**	**Assessing Climate Uncertainty in Coconut Farming: A Bayesian Ricardian Study on Sri Lanka's Coconut Triangle** *Wimalaweera G. N. I. and Edirisinghe J. C.*
2.35 p.m. – 2.45 p.m.	**OP 07**	**93**	**An Assessment of Recent Temperature Trends in Nuwara Eliya, Sri Lanka** *Siriwardana K. D. V. F.*
2.45 p.m. – 2.55 p.m.	**OP 08**	**42**	**They need Flowers, not for Wreaths: Floriculture as a Therapeutic Tool for Enhancing Emotional Wellbeing of Older Female Adults with Mobility Restrictions** *Tennakoon T. M. R. P. K.*
2.55 p.m. – 3.05 p.m.	**OP 09**	**143**	**External Assistance and Government Expenditure for Building Climate Resilience and Adaptation: A Study of the Agriculture Sector in South-Asian Countries** *Ahmad J.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 10**	**80**	**Production Efficiency of the Local Paddy Cultivation Under Valaichenai Agrarian Services Centre Area** *Rimsath M., Sooriyakumar K., Sarujan S. and Sivashankar S.*
3.55 p.m. – 4.05 p.m.	**OP 11**	**72**	**An Econometric Analysis of the Impact of Weather and Natural Disasters on Sri Lankan Spice Exports: A Gravity Model Approach** *Senanayaka S. A. C. S. and Edirisinghe J. C.*
4.05 p.m. – 4.15 p.m.	**OP 12**	**151**	**Expenditure on Health and Education and Their Impact on Efficiency of Agricultural Labourers: A Study of India and its Neighbouring Economies** *Ahmad I, Qasim R, Faheem W, Imteyaz F. and Alam D.*
4.15 p.m. – 4.25 p.m.	**OP 13**	**51**	**Effectiveness of the Five-Day Training Programme Conducted by National Cinnamon Research and Training Centre, Sri Lanka** *Lanka K.N.S., Sandika A.L. and Widanapathirana C.U.*

Theme: Agricultural & Resource Economics and Policy (ARE)			
Parallel Sessions: Session 2			
Time: 11.45 a.m.-4.25 p.m.		**Venue:** Session Room G2	
Session Chair: Prof. P.P.A. Wasantha Athukorala			
Session Coordinator: Dr. (Ms.) T.P.S.R. Guruge			
Panel Members: Dr. Emil Uduwalage Dr. (Ms.) Wasanthi Wickramasinghe			
Time	**OP No**	**Abstract ID**	**Title**
11.45 a.m. – 11.55 a.m.	**OP 14**	**105**	**Harnessing Value from Waste: Transforming the Banana Value Chain in Sri Lanka for Economic Growth and Sustainability** *Wijemanne N. G. M. and Premaratna S. P.*
11.55 a.m. – 12.05 p.m.	**OP 15**	**66**	**Local Communities' Preferences and Willingness to Pay for Improving Tourist Facilities and Conservation of Ecosystem in Arugam Bay Lagoon, Sri Lanka** *Misfa S. L. F., Sivashankar S., Sooriyakumar K. and Sarujan S.*
12.05 p.m. – 12.15 p.m.	**OP 16**	**123**	**A Stochastic Meta-Frontier Analysis of Technical Efficiency and Technology Gaps in Asian Agriculture (1992-2021)** *Madhumali S. D. D. M. and Edirisinghe J. C.*
12.15 p.m. – 12.25 p.m.	**OP 17**	**65**	**Factors Influencing Farmer Adoption towards Organic Paddy Farming in Monaragala District** *Thilakarathna J. M. I. A. and Wijesinghe A. G. K.*
			Session Break
2.15 p.m. – 2.25 p.m.	**OP 18**	**170**	**Unlocking Livelihood Opportunities through Bee Honey Value Chain Development in Village Tank Cascade Systems of Rural Sri Lanka** *Herath H. M. L. K., Kuruppu I. V., Ujana N., Bandara A. L. J. and Gurusinghe D. C.*
2.25 p.m. – 2.35 p.m.	**OP 19**	**81**	**Assessing the Impact of Subsidy Loans from Rotary Club on Paddy Farmers Productivity in Kilinochchi** *Ratheeban P., Sooriyakumar K., Sarujan S. and Sivashankar S.*

2.35 p.m. – 2.45 p.m.	**OP 20**	**128**	**Exploring Farmer Preferences for Watershed Conservation: A Case Study of Bargi Dam, India** *Seelanatha S S.K.T., Thangavel M. and Udugama J.M.M.*
2.45 p.m. – 2.55 p.m.	**OP 21**	**236**	**An Assessment of Food Security among Undergraduates in Sri Lankan State Universities during the Economic Crisis** *Weerasinghe W. M. H., Lakshani H. I., Ihlas M. A. M. and Sasanka U. B. E.*
2.55 p.m. – 3.05 p.m.	**OP 22**	**282**	**The Recent Trends of Tea Research and Industry in Korea** *Song K. J., Kim S. J. and Hong H. R.*
Session Break			
3.45 p.m. – 3.55 p.m.	**OP 23**	**37**	**Impact of Fertiliser Policy Implemented in 2021 on Rice Production in the South Coastal Region of the Ampara District, Sri Lanka** *Disanayaka D. M. P. S., Bandara A. M. A. C. and Razmy A. M.*
3.55 p.m. – 4.05 p.m.	**OP 24**	**61**	**Surfacing R&D in the Legislative Process: An Ethnomethodological Analysis of the Journal of Proceedings of a City Government's Committee Hearing on an Agricultural Ordinance** *Claus J. A. P.*
4.05 p.m. – 4.15 p.m.	**OP 25**	**76**	**Why Does Entrepreneurship Remain a Challenge? Insights From Farmers in the Ratnapura District, Sri Lanka** *Rathnachandra S. D. D., Malkanthi S. H. P., Esham M. and Samaraweera G. R. S. R. C.*
4.15 p.m. – 4.25 p.m.	**OP 26**	**79**	**Global Energy Transition Towards a Sustainable Future: A Comprehensive Review of Renewable Technologies, Innovations, and Policy Frameworks for Sustainable Energy Demand** *Jayathilaka M. A. D. K., Ukwatte T. S. and Jayasinghe G. Y.*

Poster Sessions

Time: 10.30 a.m.-11.15 a.m. 12.45 p.m. -1.45 p.m. 3.15 p.m.- 3.45 p.m.	**Venue:** Refreshment Lounge	
Theme: High-Tech Agricultural Production (HTA)		
Serial No:	**Abstract ID**	**Title**
PP 24	**244**	**Chromosome-level Genome Assembly of the Hairy-legged Leaf Beetle (*Colaspoides femoralis*)** *Zhang Q., Wei C., Li S., Dassanayaka S. M., Zhou X. and Jin L.*
PP 25	**159**	**Effect of Standing Water Level on Rodent Damage in Rice Fields of Sri Lanka** *Sarathchandra S. R., Nugaliyadde L., Hemachandra K. S., Sandadevani K. S., Jayaweera M. P. H. K. and Dilanka L. B. T.*
PP 26	**115**	**A Web Platform to Facilitate the Ecological and Environmental Risk Evaluation of Pesticides** *Chen D.Y. and Hao G. F.*
PP 27	**138**	**Multimodal Big Data Facilitates Early Plant Disease Diagnosis** *Wu X., Wang Q. and Hao G.*
PP 28	**146**	***AI-Powered Long-Tail Disease Management for Smallholders*** *Liu Y., Wu X., Zhang D. and Wan Q.*
PP 29	**174**	**Control Efficacy of the Novel Isoxazoline Insecticide Fluxametamide against Lepidopteran Pests in China** *Chen Z. Y., Han Y. and Wang Z. Y.*
PP 30	**176**	**Molecular Recognition Facilitates the Precision Delivery of Nanomaterials and their Cargo in Plants** *Senosy I., Kandegama W. M. W. W. and Hao G.*
PP 31	**197**	**Plant Disease Diagnosis Agent: A Multimodal Large Language Model-powered AI System for Automatic Plant Disease Diagnosis** *Qin L., Wu X., Dong X., Wang H., Yang T. and Wang Q.*

PP 32	**212**	**Genome-wide Profiling and Stress-responsive Functional Study of U-box E3 Genes in Tea Plant Using Transgenic Tobacco** *Li S., Zhao G., Zhang Q. and Jin L.*
PP 33	**213**	**Formula Optimisation of Liquid Medium for Culturing the Entomopathogenic Nematode *Steinernema carpocapsae* Strain All (Rhabditida: Steinernematidae)** *Tian J. Y., Zhao G. Y., Zhou X., Hu F., Shao K. M., Dassanayaka S. M. and Jin L. H.*
PP 34	**144**	**Study on Lead Optimisation and Antifungal Activity of Natural Product Streptochlorin** *Duan F. and Zhang M.*
PP 35	**169**	**Application of Entomopathogenic Nematode Modified Root-associated Microbial Community in Controlling Chive Gnats (*Bradysia odoriphaga*)** *Zhao G., Tang R., Guo W., Zhou X., Hu F., Dasanayaka D., Kandegama W. M. W. W. and Jin L.*
PP 36	**140**	**Chemical Properties and Nutrient Dynamics of Different Potting Media Before and After Raising Turmeric Nursery Plants** *Jayaweera W.M.C.S., Amarasinghe S. R. and Ranawake A. L.*

Theme: Varietal Innovations and Seeds (VIS)

Serial No:	Abstract ID	Title
PP 16	**54**	**Farmer Survey Reveals Gaps in Cassava Value Chain in Uganda** *Buttibwa M., Namakula B. F., Wagaba H., Onyango S., Asio M. T., Ojara N. and Kilalo D.*
PP 17	**104**	**Effect of *Gliricidia sepium* (Jacq.) Mulch on the Vegetative Growth of Cinnamon (*Cinnamomum verum*) Variety Sri Gemunu under Greenhouse Conditions** *Sandamini P. K. D., Ranawaka R. A. A. K. and Geekiyanage S.*

Theme: Innovative Food Processing Technologies (IFP)

Serial No:	Abstract ID	Title
PP 01	**218**	**Effect of Back-Slopping – A Conventional Curd Making Method – on Quality Attributes of Buffalo Milk Curd** *Kalpani D. K. S. and Rasika D. M. D.*

PP 02	**200**	**Physicochemical, Microbial and Organoleptic Evaluation of Yoghurt Made of Cow and Goat Milk Blend Supplemented with Probiotics and Blue Pea Flower Extract** *Vihangi R. G. M. and Rasika D. M. D.*
PP 03	**189**	**Examining the Effect of Vinegar and Salt in the Screw Chiller on Broiler Meat Quality** *Kannanthudawa K. V. G, Gunarathne D. M. A., Jayasooriya M. C. N. and Senanayake M. P.*
PP 04	**258**	**Urban Consumers' Perception Towards Healthy Snacks (Jackfruit Chips) in Homagama Area** *Elapatha G. S., Premarathna K. G. S. S., Pathmasiri P. A. M., Sandaruwan M. A. T. and Sandamali W. H. P.*
PP 05	**276**	**Development of Vegan Sausage Incorporating Button Mushroom Stems and Assessment of Physicochemical and Sensory Properties** *Ekanayake L. D. S. and Pathiraje P. M. H. D.*
PP 06	**278**	**Developing Blooming Tea Infused with *Madhuca longifolia* Flowers: A Novel Approach to Diversifying Sri Lanka's Tea Offerings** *Hapugaswaththa H. M. S. S., Idamgedara C. M. and Rajapaksha D. S. W.*
PP 07	**286**	**Odiyal Kool: Jaffna's Traditional Functional Food** *Rakulini S..*
PP 08	**77**	**Dietary Intake and Nutritional Status of the Adolescents in a Selected School in Kurunegala District** *Premasiri S. B. W. D., Rathnayaka R. M. D. J., Bhagya K. A. D. L., Waidyarathna G. R. N. N. and Udayakumari L. A. M. H.*
PP 09	**59**	**Do Levels in Hedonic Scaling Have an Effect on the Sensory Preference for Solid and Liquid Foods in Food Sensory Evaluation?** *Jans H. M. and Abeysuriya A.P. H. I.*

Theme: Microorganisms in Agro-Industry and Environment (MAE)

Serial No:	Abstract ID	Title
PP 01	**49**	**Prevalence and Antimicrobial Resistance Patterns of *Listeria monocytogenes* in Raw Milk Samples Collected from Colombo District, Sri Lanka** *De Silva D. A. D. V., Weerasinghe O. T., Shanu M. S. F., Harshani H. B. C. and Wijendra W. A. S.*

PP 02	**133**	**Effect of Brewing on Reducing Microbial Load of Black Tea** *Amarasena N. D. U. D., Hettiarachchi H. A. P. W., Nagahawaththa N. K. M. C. and Maduwanthi S. D. T.*
PP 03	**241**	**Plant-Microbial Interactions through Root and Leaf Exudates** *Changxin-Yang, Shijie-Chen and Gefei-Hao*
PP 04	**262**	**Patterns of Microbial Activity and Total Organic Carbon in The Farmer Field Soils in Northern Region of Sri Lanka** *Jayasumana A. H. A. R., Kirisan A. and Gnanavelrajah N.*
PP 05	**265**	**Applying *Aspergillus niger* as a Phosphorus Solubilizer with Combination of Rock Phosphates for Seed Germination in Tomato** *Weerakoon W. M. R. W., Pitawala H. M. T. G. A. and Suriyagoda L. D. B.*
PP 06	**224**	**Green Synthesis of Silver Nanoparticles, Phytochemical Profiling and Antimicrobial Activity of Leaf Extracts from *Passiflora quadrangularis* and *Cyanometra cauliflora*** *Yaazmin M. J. A., Manoranjan T. and Thavaranjit A. C.*
Theme: Aesthetic Agriculture and Environment (AAE)		
Serial No:	**Abstract ID**	**Title**
PP 01	**98**	**Exploring the Potential Application of Jellyfish Blooms as an Organic Fertilizer** *Samaraweera V. D., Dissanayake D. C. T. and De Silva S. H. N. P.*
PP 02	**235**	**Efficacy of Application Frequency of Monocrotophos on Controlling Plocaederus ferrugineus L. in Cashew** *Jayawardana H. M. A. S., Wijetunge P. M. A. P. K., Liyanarachchi H. L. A. N. T., Ranaweera B. and Wijesuriya W.*
PP 03	**245**	**Intercropping Increases Pollinator Visits, Conspecific Pollen Deposition, and Yield in Okra (*Abelmoschus esculentus*)** *Vidanapathirana P. S., Wijesinghe S. A. E. C., Jayamanne D. and Dasanthi H. P. M.*

Theme: Animal Production Systems and Industry Trends (APS)		
Serial No:	**Abstract ID**	**Title**
PP 18	**100**	**A Comparative Analysis of Nutritional Composition and Meat Quality Characteristics of Commonly Consumed Pork Types in Sri Lanka** *Cooray M. P. T. P. and Prathapasinghe G. A.*
Theme: Agricultural & Resource Economics and Policy (ARE)		
Serial No:	**Abstract ID**	**Title**
PP 01	**268**	**Geographical Indication as a Mode of Protection for Agricultural Exports: A Critical Review of the Intellectual Property (Amendment) Act, No. 8 of 2022, Sri Lanka** *Vitharana W. A. Y. W.*
PP 02	**47**	**Spatial Pattern of Crop Vulnerability to Drought in Jaffna District** *Kayathri S. and Dishani C.*

Post Conference Tour

Date: 18th May 2025

Kandy, Sri Lanka

Kandy, the last monarchical kingdom of Sri Lanka, is a charming city situated on the plateau of central Sri Lanka known for its cool climate, scenic mountain views, and rich cultural heritage. The city is surrounded by towering mountains filled with the greenery of lush forests and tea plantations with a peaceful atmosphere added by the calm lake views.

The heart of Kandy, home to the **Temple of the Sacred Tooth Relic,** is one of the most important Buddhist shrines of Sri Lanka and is named one of the UNESCO World Heritage Sites. The temple is commonly known as the *Sri Dalada Maligawa* which is based in the royal palace of the Kingdom of Kandy. It houses a revered tooth of Lord Buddha, attracting pilgrims and visitors from around the world. The temple's golden-roofed architecture intricate carvings, and daily rituals offer a reflection and spiritual connection making it a symbol of Sri Lankan heritage and pride.

Royal Botanical Gardens - Peradeniya, a prime attraction of the hill country where history and nature intertwine in a spacious 147 acres of paradise serves as the largest garden in Sri Lanka. It consists of more than 4000 plant species including a collection of tropical plants, varieties of palm trees, spice trees, and vibrant flora, especially orchids. The garden is not only a sanctuary for plants but also attracts a variety of birds and butterflies, making it a perfect tranquil escape for nature lovers and photographers.

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Negombo Fire Brigade	+94 312224063
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Police Emergency Hotline	119/118
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Nearby Tourist Attractions

Wayamba University of Sri Lanka is situated in a region distinguished by its rich historical, cultural, and ecological heritage. Among the notable nearby attractions is Yapahuwa, an ancient rock fortress and royal residence renowned for its intricate stone carvings. The Dambulla Cave Temple, a UNESCO World Heritage Site, offers a remarkable collection of Buddhist murals and statues, while the Sigiriya Rock Fortress stands as an enduring symbol of Sri Lanka's architectural and engineering excellence. The sacred city of Kandy, home to the revered Temple of the Sacred Tooth Relic, further enriches the cultural landscape. Visitors can also enjoy the scenic Negombo beaches, known for their vibrant coastal atmosphere, and explore the natural beauty of the Kalpitiya coastline, famous for its pristine beaches and marine biodiversity.

For nature and wildlife enthusiasts, Wilpattu National Park presents an opportunity to observe Sri Lanka's diverse fauna within its expansive landscape, while the Anawilundawa Wetland Sanctuary offers a unique wetland ecosystem recognized under the Ramsar Convention. In the coastal town of Chilaw, the historic Sri Munneswaram Kovil stands as a significant religious and cultural site. Within the Kurunegala District, attractions such as the Ethugala Temple (Elephant Rock) and the tranquil Kurunegala Lake provide opportunities for scenic exploration. Additionally, the ancient city of Dambadeniya, once a royal capital, offers insights into the island's medieval history. Together, these destinations provide a diverse and enriching experience for visitors, encompassing Sri Lanka's natural beauty, religious traditions, and historical legacy.

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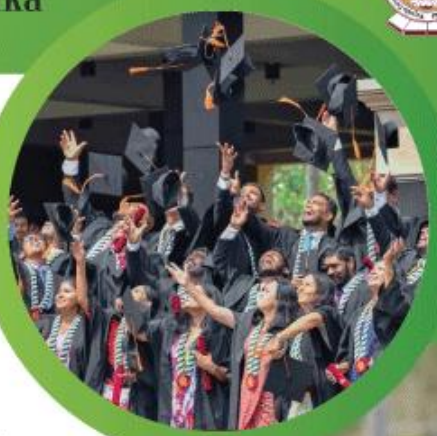

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