

5th International  
Conference on

# Agriculture, Food Security & Safety

Welcome to **AgroFood 2024**, where the future of agriculture and food industries converges! This event serves as a dynamic platform for professionals, researchers, and innovators to explore the latest trends, technologies, and sustainable practices shaping the agrofood sector.

Join us for a transformative experience, where knowledge exchange and collaboration pave the way for a more sustainable and productive future in the agrifood industries.



Agro  
Food  
2024

# Welcome to AgroFood 2024

Agriculture is the foundation of all other industries and it embraces the resources available on earth while strengthening human kind. It is an essential constituent of the journey toward prosperity and characterized by an integration of interconnected processes that enable food production and assurance of survival. However, in the present context agricultural production has depleted causing a significant threat to food and nutrition security, food quality and safety, and many related aspects. Therefore, the need of reorganizing and revamping the entire global food system has gained much significance among the measures that lead to sustainability.

**The 5<sup>th</sup> International Conference on Agriculture, Food Security and Food Safety, AgroFood 2024**, hosted by iConferences will be organized with the prime objective of assisting the aforementioned attempt by facilitating fruitful discussions and resourceful research collaborations. Delivering a premium conference experience, the AgroFood 2024 will be held as a **hybrid (Online and In-person) conference** on **21<sup>st</sup> – 22<sup>nd</sup> August 2024** based in **Colombo – Sri Lanka**. Enabling networking among research enthusiasts from all around the world, AgroFood 2024 will contribute in unique ways to sustain the global food system immensely.



# Conference Track and Themes

## “Agrifood 360: Feeding the Future”

### **Sustainability and Environmental Concerns:**

- Sustainable agriculture practices are becoming more prominent, focusing on reducing environmental impact and conserving resources.
- Carbon-neutral and regenerative farming practices are gaining traction to combat climate change and restore soil health.

### **Plant-Based and Alternative Proteins:**

- Growing consumer interest in plant-based and alternative protein sources, such as plant-based meats, cultured meats, and insect-based products.
- Investment in cellular agriculture technologies to produce lab-grown meat and seafood.

### **Precision Agriculture:**

- Increasing adoption of precision agriculture technologies, including drones, sensors, and IoT devices, for efficient resource management and crop monitoring. The use of AI and machine learning to optimize crop yields and reduce input costs.

### **Vertical Farming and Indoor Agriculture:**

- Expansion of vertical farming and hydroponics to produce crops in controlled environments, reducing water usage and enabling year-round cultivation.
- Integration of automation and AI for enhanced productivity.

### **Blockchain and Supply Chain Transparency:**

- Utilizing blockchain technology to ensure transparency and traceability in the food supply chain, improving food safety and quality assurance.
- Enhanced food recall processes and fraud prevention.

### **Local and Hyper-Local Food Sourcing:**

- A growing focus on local and hyper-local food production to reduce transportation emissions and support small-scale farmers.
- The rise of urban farming and community-supported agriculture (CSA) programs.

### **Food Waste Reduction:**

- Efforts to reduce food waste across the supply chain through better inventory management, improved packaging, and consumer education.
- Innovative food waste recycling and upcycling solutions.

### **Nutrition and Functional Foods:**

- Increasing demand for functional foods and personalized nutrition, driven by health-conscious consumers.
- The development of foods with added health benefits and bioactive ingredients.

**E-commerce and Direct-to-Consumer Sales:**

- A surge in online food shopping and direct-to-consumer sales, accelerated by the COVID-19 pandemic.
- Digital platforms and apps for ordering groceries and meal kits.

**Labor Shortages and Automation:**

- Addressing labor shortages through automation and robotics in farming and food processing.
- Development of autonomous vehicles and machinery for agricultural tasks.

**Food Safety and Quality Assurance:**

- Advanced technologies, such as hyperspectral imaging and blockchain, to ensure the safety and quality of food products.
- Faster and more accurate testing methods for contaminants and pathogens.

**Government Regulations and Policies:**

- Evolving food safety regulations, labelling requirements, and sustainability incentives that impact the agrifood industry.
- Support for organic farming and subsidies for sustainable practices.

**Bioengineering as a tool for efficient, sustainable, and resilient agricultural practices:**

- This interdisciplinary field aims to address various challenges related to agriculture and food production, such as increasing yields, enhancing crop resistance to pests and diseases, improving nutritional content, and reducing the environmental impact of farming.

**Application of IA in the agrifood sector:**

- IA has been already mentioned along this proposal. We can either integrate IA Maybe we can integrate it along the different technical sessions or create a different one, based on the acceptance received.

## Conference Chair



### **Dr. Esther Garcia-Cela**

Senior Lecturer  
Applied Mycology at the School of Life and Medical Sciences (LMS)  
University of Hertfordshire (United Kingdom)

Dr Esther Garcia-Cela teaches and leads modules in Mycology and Food Safety at the Undergraduate and Postgraduate levels. She is also the tutor of international and MSc Medical Microbiology students. She also collaborates with other UK institutions, such as the University of Brighton, as an External Assessor for MRes programmes in the School of Applied Sciences. In addition, she is a Deputy of Biosafety Officer at her university. Dr Garcia-Cela is the research lead of the Mycolab group, supervising undergraduates, postgraduates and PhD students while also providing consultancy to several agrifood industries. She is involved in national and international projects related to Food Safety. Her research work has been published in peer-reviewed papers, magazines, and book chapters.

## Conference Speakers



### **Dr. Esther Garcia-Cela**

Senior Lecturer  
Applied Mycology at the School of Life  
and Medical Sciences (LMS)  
University of Hertfordshire, UK



### **Dr. Jason C. White**

Director  
The Connecticut Agricultural  
Experiment Station  
New Haven, Connecticut

## Conference Academic Partners

Bogor Agricultural University (IPB),  
Indonesia



University of Agriculture Faisalabad,  
Pakistan

UNIVERSITY OF  
**AGRICULTURE**  
FAISALABAD- PAKISTAN



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Assam Agricultural University, India

**Dr. Madhumita Barooah**

Department of Food Science & Technology  
Assam Agricultural University, India



# Venue

## Colombo - Sri Lanka

**The Galle Face Hotel** Sri Lanka, located along the seafront in the **heart of Colombo** and facing the iconic Galle Face Green, stands as a symbol of Sri Lanka's rich heritage. As one of the oldest hotels in the region, it proudly embraces its historic legacy while offering engaging and immersive experiences that appeal to both seasoned travelers and modern explorers. Indulge in some of **Colombo's finest cuisine** served in unique locations within this colonial gem. With distinctive comforts and **subtle embellishments**, a stay at The Galle Face Hotel promises an unforgettable experience that beckons you to return time and again.

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Phone : 0112 541 010

Fax : +94 11 254 1072

More Information: <https://www.gallefacehotel.com/>



## Registration Fee – Online Participants

	Early Bird Payment 5 <sup>th</sup> June 2024	Regular Payment 18 <sup>th</sup> June 2024
<b>ONLINE PARTICIPANTS - SAARC COUNTRIES</b>		
Student Presenter	INR 12500	INR 14000
Non-Student Presenters	INR 14000	INR 16000
Listener	INR 15000	INR 17000
Invited Speaker	INR 24000	INR 26000
<b>ONLINE PARTICIPANTS - NON-SAARC COUNTRIES</b>		
Student Presenter	USD 200	USD 250
Non-Student Presenters	USD 220	USD 250
Listener	USD 250	USD 290
Invited Speaker	USD 280	USD 300

## Registration Fee – In-person Participants

	Early Bird Payment 5 <sup>th</sup> June 2024	Regular Payment 18 <sup>th</sup> June 2024
<b>IN-PERSON PARTICIPANTS - SAARC COUNTRIES</b>		
Student Presenter	INR 17000	INR 19000
Non-Student Presenters	INR 19000	INR 21000
Listener	INR 22000	INR 24000
Group Rate (Per person)	INR 16000	INR 18000
Invited Speaker	INR 27000	INR 29000
<b>IN-PERSON PARTICIPANTS - NON-SAARC COUNTRIES</b>		
Student Presenter	USD 380	USD 430
Non-Student Presenters	USD 410	USD 460
Listener	USD 420	USD 470
Group Rate (Per person)	USD 350	USD 400
Invited Speaker	USD 400	USD 450

## Dates of Importance

Abstract Submission Deadline	<b>29<sup>th</sup> May 2024</b>
Abstract Acceptance Notification	After Two Weeks from Submitting Deadline
Early-bird Registration Deadline	<b>5<sup>th</sup> June 2024</b>
Final Registration Deadline	18 <sup>th</sup> June 2024
Revised Abstract Deadline	18 <sup>th</sup> July 2024
PP Presentation due on or before	8 <sup>th</sup> August 2024
Conference Days	21 <sup>st</sup> – 22 <sup>nd</sup> August 2024
Full Paper Submission Deadline	24 <sup>th</sup> September 2024

## Unlock Opportunities - Become a Valued Sponsor

Join us in shaping success by becoming a sponsor of **AgroFood 2024**. Your support ensures a vibrant collaboration. Let's forge a powerful partnership that resonates with our audience and extends the reach of your brand. Together, let's create an impactful experience for all involved.

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<b>Platinum</b>	<b>: 2000 USD</b>
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<b>Bronze</b>	<b>: 1000 USD</b>
<b>Best Student Presenter Award</b>	<b>: 500 USD</b>
<b>Best Overall Presenter Award</b>	<b>: 500 USD</b>

Your Commitment at any level not only positions you as a key supporter but also unlocks a myriad of benefits, from prominent logo placement to VIP privileges.

## Contact Details:

### General Inquiries

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