

WSCSE-2025

Paris, France | March 27-29, 2025.

**WORLD SUMMIT ON
CROP SCIENCE AND ENGINEERING**

WSESA-2025

Paris, France | March 27-29, 2025.

**WORLD SUMMIT ON
ENVIRONMENTAL SCIENCE
AND APPLICATIONS**

**FINAL
PROGRAM**



Day 01, March 27, 2025

08:30-09:00	Registrations	
09:00-09:30	Introduction and Opening Words	
CHAIR	Roberto Tuberosa, University of Bologna, Italy	
CO-CHAIR	Bhim Bahadur Ghaley, University of Copenhagen, Denmark	
Moderator for Day-1 will be Stefania Astolfi, University of Tuscia, Italy		
Plenary Session		
09:30-10:10	Title: The Durum Wheat Genomic Resources (GDGR): A Collaborative Effort to Enhance Wheat Biodiversity, Grain Yield and Food Security under Climate Crisis Conditions	P
	Roberto Tuberosa, University of Bologna, Italy	
10:10-10:50	Title: Sustainable Agriculture: Mitigating Greenhouse Gas Emissions through Precision Farming	P
	Tet Yeap, University of Ottawa, Canada	
Keynote Session		
10:50-11:20	Title: A Theoretical Framework “3MP” to Improve the Adoption of Green Integrated Pest Management Tactics and to consider Environment and Climate Benefits	K
	Han Peng, Yunnan University, China	
11:20-11:40	Refreshment Break	
11:40-12:10	Title: Future SC Formulation Design and Performance for Emerging UAV, VLV, and Precision Application Technologies	K
	Malcolm Faers, Formulation Technology, Bayer AG, Germany	
12:10-12:40	Title: Mathematical Modelling for Grain Storage Management	K
	Fuji Jian, University of Manitoba, Canada	
Invited Session		
12:40-13:05	Title: Dynamics of Rural Settlement Patterns in the Yellow River Delta in Response to River Diversion and Avulsion Since 1855	I
	Yu Ye, Beijing Normal University, China	
13:05-14:00	Group Photo and Lunch	
14:00-14:25	Title: Potential Mitigation of Carbon Emissions through Conservation and Precision Agriculture Techniques in Winter Cereals. Results from the PreConAgri Project	I
	Christos Cavalaris, University of Thessaly, Greece	
14:25-14:50	Title: Cloning Technology for the Mass Production of Date Palm and Coconut Plantlets	I
	Sundaravelpandian Kalaipandian, The University of Queensland, Australia	

14:50-15:15	Title: Unraveling the Iron-Sulfur Nexus: A Step Towards Optimized Plant Nutrient Management	I
	Stefania Astolfi , University of Tuscia, Italy	
15:15-15:40	Title: How Agricultural Intensification Impacts Nitrogen Dynamics in African Smallholder Farms	I
	Mutuo Patrick Kiiti , IITA, Burundi	
15:40-16:05	Title: Advancing Modernized Technologies through Large Scale Investments to Transform the Agriculture Landscape in Africa	I
	Zozo Rachel , IITA, Kenya	
16:05-16:25	Refreshment Break	
16:25-16:50	Title: Hydrophobic Biobased Coating for Spring Frost Protection	I
	Romain Maury , LCPO, France	
YRF Session		
16:50-17:15	Title: Developing a Cereal Variety Selection Decision Support System for Arable Farmers	YRF
	Conor Kehoe , University College Dublin, Ireland	
17:15-18:00	Poster Presentations	
1	Title: Gall-Inducing Mites: Eriophyes Tiliae with Klepto-Parasitoid (Aprostocetus Eriophies: Hymenoptera: Eulophyidae) Feeding with Mite Larvae in those Galls	PP
	Renata Gagic Serdar , Institute of forestry, Belgrade, Serbia	
2	Title: Optimum Substrate Acidity for Maximum Mycelial Mass Production Shiitake - Lentinula edodes (Berk.) Pegler (1976)	PP
	Miroslava Markovic , Institute of forestry, Belgrade, Serbia	
3	Title: Examining the Cause-Effect Relationships of the Criteria Affecting Food Security, Climate Change with an Emphasis on Environmental Resilience: Dimtel's Analytical Approach	PP
	Azadeh Dogani , Ferdowsi university of Mashhad, Iran	
4	Title: Ecological Intensification: Evaluating Grain, Aboveground Biomass, and Weed Incidence in Intercropped Compared to Sole Crops	PP
	Vaibhav Pradip Chaudhary , University of Copenhagen, Denmark	
5	Title: Oregano By-Products as Antifungal Tool and Soil Amendment in Eggplant Seedlings	PP
	Kalliopi Kadogilidou , Hellenic Agricultural Organization–Dimitra, Greece	
END OF DAY 1 PROGRAM		

Day 02, March 28, 2025

Moderator for Day-2 will be Yu Ye, Beijing Normal University, China

Keynote Session

08:30-09:00

Title: **Greening the Future: Advancing Sustainable Production Systems for a Resilient Future**

Bhim Bahadur Ghaley, University of Copenhagen, Denmark

K

Invited Session

09:00-09:25

Title: **Role of Legume Crops in Sustainable Agriculture**

Silvia Pampana, University of Pisa, Italy

I

YRF Session

09:25-09:50

Title: **Production of Amaranthus Seeds in France and Characterization of the Whole Seed Quality Traits**

Ahlem Azri, Institut National Polytechnique de Toulouse, France

YRF

09:50-10:15

Title: **Evaluation of the Performance of Drip Irrigation Systems and Soil Water Distribution in Tomato and Strawberry Crops in São Lourenço dos Órgãos, Santiago Island, Cape Verde**

Erik Sequeira, Instituto Superior De Agronomia, Portugal

YRF

10:15-10:40

Title: **Impact of Gridded Weather Dataset Sources and Bias Corrections on Maize Irrigation Requirements and Yield Estimations**

Daniela Alexandra Jorge Soares, Instituto Superior De Agronomia, Portugal

YRF

Invited Session

10:40-11:10

Title: **Ethylene-Mediated Stress Responses and Crosstalk with Auxin in Plants**

Abdul Wakeel Umar, Beijing Normal University, China

I

11:10-11:25

Refreshment Break

ENVIRONMENTAL SCIENCE AND APPLICATIONS

Keynote Session

11:25-11:55

Title: **The Textile Industry's Role in Climate Mitigation and Sustainability**

Nirmala Menikpura, Institute of Global Environmental Strategies (IGES), UK

K

11:55-12:25

Title: **Disease Burden and Geographic Inequalities in 15 Types of Neonatal Infectious Diseases in 131 Low- and Middle-Income Countries and Territories**

Jue Liu, Peking University, China

K

12:25-12:55

Title: **The Impact of Antibiotics on Aquatic Ecosystems: Understanding the Ripple Effects on Water, Life, and Humanity**

Okugbe Ebiotubo Ohore, Hainan Medical University, China

K

12:55-14:00	Group Photo and Lunch	
14:00-14:30	Title: Phosphorus Adsorbents for Sustainable Management of Nutrient Contamination	K
	Mariam Darestani, Western Sydney University, Australia	
14:30-15:00	Title: Leveraging Low-Cost Sensor Data: CleanAIRE NC's AirKeeper Dashboard as a Catalyst for Community-Driven Environmental Justice Advocacy	K
	Daisha Wall, CleanAIRE NC, USA	
15:00-15:30	Title: Transforming Mineral Waste into High-Performance Coatings for Durable Concrete Protection	K
	Mariam Darestani, Western Sydney University, Australia	
Invited Session		
15:30-16:00	Title: Exploring the Complex Interactions Between Microplastics and Marine Contaminants	I
	Ho Chia Min, Beihang University, China	
16:00-16:20	Refreshment Break	
WORK SHOP		
16:20-17:20	Title: From Data to Action: Life Cycle Carbon Assessment With the Emission Quantification Tool (EQT)	W
	Nirmala Menikpura, Institute of Global Environmental Strategies (IGES), UK	
Invited Session		
17:20 - 17:50	Title: Chemical Composition, Sources, and Ecological Effects of Organic Phosphorus in Aquatic Ecosystems	I
	Feng Weiyang, Beihang University, China.	
Keynote Session		
17:50-18:20	Title: To be Announced	K
	Barbara Marchetti, University of eCampus, Italy	
END OF DAY 2 PROGRAM		

Day 03, March 29, 2025

Virtual Presentations-Paris (GMT+1)

08:30-09:10	<p>Title: Improving Food Security in the World by Sustainable Production of Food Crops in the Developing Countries</p> <p>Babadoost Mohammad, University of Illinois, United States</p>	P
09:10-09:50	<p>Title: Global Environmental Impact of Women Changing the World</p> <p>Xiaoguang Ouyang, Southern Marine Science and Engineering Guangdong Laboratory (Guangzhou), China</p>	P
09:50-10:15	<p>Title: Embedment Properties of Cross-Laminated Timber for Green Construction</p> <p>Qian Wang, Huazhong University of Science and Technology, China</p>	I
10:15-10:45	<p>Title: To be Announced</p> <p>Thakur Ila, Hitachi India Pvt. Ltd, India</p>	K
10:45-11:15	<p>Title: The power of ESG factors in driving financial growth: insights from Palestine</p> <p>Naji Anton Alslaibi, Bethlehem University, Palestine</p>	K
11:15-11:55	<p>Title: Advance in Lithium-ion Batteries Recycle</p> <p>Elza Bontempi, University of Brescia, Italy</p>	P
11:55-12:25	<p>Title: Monitoring Technologies in Paddy Rice Fields, Aiming Farm Development and Water Resources Protection</p> <p>José Manuel Gonçalves, Instituto Politécnico de Coimbra, Portugal</p>	K
12:25-12:50	<p>Title: Combining Biophysical and Socioeconomic Data to Refine Target Population of Environments (TPEs) for Maize Crop Improvement</p> <p>Muongani Dean, IITA, Nigeria</p>	I
12:50-13:15	<p>Title: Waste Management and Climate Change Mitigation - Challenges and Opportunities</p> <p>Kim Lidia, National Research and Development Institute for Industrial Ecology – ECOIND, Romania</p>	I
13:15-13:45	<p>Title: No-till Equipment Development For Sustainable Conservation Agriculture with Cover Crops</p> <p>Ted Kornecki, USDA-ARS, USA</p>	K
13:45-14:25	<p>Title: A Desirable Framework for Establishing Climate Change Policy</p> <p>Dai-Yeun Jeong, Director of Asia Climate Change Education Center, South Korea</p>	P

END OF THE WEBINAR