

5th Edition of Global Conference on **Agriculture and Horticulture**

Theme: Global Advances in
Agricultural and Horticultural
Sciences

08-10
SEPTEMBER
2025

Our OCMs



DACHANG ZHANG
National Research Center for Geanalysis
and Water & Eco Crisis Foundation,
United States



EDGAR OMAR RUEDA PUENTE
Universidad de Sonora, Mexico



VIJAYAN GURUMURTHY IYER
Bihar Institute of Public Administration & Rural
Development (BIPARD), India



SHASHI VEMURI
Professor Jayashankar Telangana State
Agricultural University, India



V P S ARORA
Venkateshwara Group of Institutions,
India



LINAS BALCIAUSKAS
Nature Research Centre,
Lithuania

Scientific TOPICS

- Agriculture Engineering
- Agriculture Biotechnology
- AGRI Business
- Agricultural Economics
- Precision Agriculture
- Agriculture & Food Security
- Agronomy and Crop Sciences
- Agriculture and Environment
- Agroforestry and Landscaping
- Green House and Poly House Agriculture
- Dairy, Poultry and Livestock Farming
- Aquaculture and Apiculture
- Agricultural Extension
- Farm Tools and Machinery
- Soil Science and Agricultural Chemistry

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VENUE

Olympia Hotel, Events & Spa
Carrer Mestre Serrano, 5, 46120
Alboraia,
Valencia, Spain

Keynote Presentations

Dachang Zhang, National Research Center for Geoanalysis and Water & Eco Crisis Foundation, United States

Title: Suitaiology: Technical goals and general concept designing for applications in mountain areas

Dave White, Climate Change Truth Inc. cctruth.org, United States

Title: The essential role of photosynthesis in defining net zero carbon dioxide emissions for equilibrium calculations

Linas Balciauskas, Nature Research Centre, Lithuania

Title: Micromammal diversity and health in agricultural landscapes: A focus on body condition

Vijayan Gurumurthy Iyer, Bihar Institute of Public Administration & Rural Development (BIPARD), India

Title: Environmental Health Impact Assessment (EHIA) process for agricultural and horticultural processes- Case study as ginning of Indian seed-cotton (or kapas)

V P S Arora, Venkateshwara Group of Institutions, India

Title: Future Indian hortibusiness

Oral Presentations

Jason A Hedrick, The Ohio State University, United States

Title: Farm safety day camp programming for youth

Omar Sulaiman Belhaj, The University of Texas at El Paso, United States

Title: Morphologic and transcriptomic response of two libyan wheat germplasms in the form of P5CS, and PEPCs genes under salt stress and some nutrient additions

Kailey Lin, Sacred Heart Cathedral Preparatory, United States

Title: Multi-fluorescent silk as a minimally invasive indicator of surgical recovery

Ayodeji Afolami, Royal Agricultural University, United Kingdom

Title: Evaluation of soybean cropping in northern temperate conditions: A field trial assessment of variety, seed rates and nitrogen fertilization.

Ademiku Adeleye, University of Edinburgh, United Kingdom

Title: Understanding the perception of millet consumption in Nigeria: a structural equation model approach

Paola Ganugi, University of Turin, Italy

Title: Species proportion modulates biomass allocation, nitrogen dynamics and soil biogeochemistry in rye-vetch intercropping systems

Roselyne Aleyo, Massey University and Agresearch Grasslands Campus, New Zealand

Title: Plant-microbe synergies in mitigating nitrous oxide emissions from grazed pastures

Jenny Lindblom, Lulea University of Technology, Sweden

Title: Sub-surface heating of farmland to promote early harvest and increase productivity in northern Sweden

Loucas Protopappas, Agricultural University of Athens, Greece

Title: The future of modern agriculture: IoT, AI and block chain technology for sustainable farming and agribusiness

Caroline Van Der Weerd, TNO, Netherlands

Title: Beyond the frontrunners: Understanding adoption of digital agricultural technologies

Elzbieta Wojtowicz, Institute of Agricultural and Food Biotechnology – State Research Institute, Poland

Title: A new direction in the use of wheat in agricultural processing

Joanna Le Thanh Blicharz, Institute of Agricultural and Food Biotechnology – State Research Institute, Poland

Title: Characteristics of new solid and liquid feed products based on wheat and pea

Laima Cesoniene, Vytautas Magnus University, Lithuania

Title: The influence of intensive and organic agriculture activity on the quality of ground and surface water

Chow Kheong Keat Gregory, Ngee Ann Polytechnic, Singapore

Title: Beyond high-tech: Finding the right solutions for sustainable vertical farming in Singapore

Hector R R Laurence, McLaren Holdings SA, Argentina

Title: Sustainable food supply for a global population

Luisa Paseto CPA IARA USP, Brazil

Title: Use of artificial intelligence in Brazilian agribusiness: Challenges and opportunities

Munehiro Ebato, Institute for Agro-Environmental Sciences, Japan

Title: Soil physical property assessment of large-scale paddy fields using autonomous robots

Valery P Kalinitchenko, All-Russian Phytopathology Research Institute, Russian Federation

Title: Biogeosystem technique methodology for chemical-soil-biological engineering

Khalil Ur Rahman, Ruler of Dubai Agriculture innovations Wing, United Arab Emirates

Title: Strategies for water savings and agricultural enhancements in arid regions

Dilek Karatas, Dicle University, Turkey

Title: Photochemical analysis on wild vine (*Vitis vinifera* ssp. *Silvestris*) grape genotypes

Alejandro Moreno Resendez, Antonio Narro Autonomous Agrarian University – Laguna Unit, Mexico

Title: Application of vermicompost mixed with inert materials during the development of vegetables and cucurbits in protected systems

Jose Francisco Santiaguillo Hernandez, Autonomous University of Chapingo, Mexico

Title: Weed management in husk tomato (*Physalis ixocarpa* Brot. Ex Horm.) in Penjamo, Guanajuato. I. Diagnosis of weeds and their effect on performance

Carlos Alberto Bustamante Gonzalez, Instituto de Investigaciones Agro-Forestales, Cuba

Title: Effect of VIUSID agro in promoting growth in crops of the Cuban coffee agroecosystem

Wensheng Fang, Institute of Plant Protection Chinese Academy of Agricultural Sciences, China

Title: Soil fumigation prevents soil-borne diseases and its effects on soil microorganisms

Qingwen Zhang, Institute of Environment and Sustainable Development in Agriculture/CAAS, China

Title: Soil organic carbon sink and losses in sloping erosion-prone farmland

Indira Singh, Indian Institute for Human Settlements, India

Title: Soil bacterial and fungal communities augmented by regenerative agriculture nurturing soil quality and plant health

Goutam Mahata, Pulses and Oilseeds Research Station, India

Title: Prospect of red gram under zero budget natural farming for food, nutritional and environmental security in changing climate

Tentative Program

Namsa Hang Limbu, SRM University Sikkim, India

Title: A study to examine the adoption of precession agriculture and its barriers: A review analysis

Amit Goel, Knam Foods Pvt. Ltd, India

Title: Climate change and its impact on global agricultural productivity.

Bhagwat Rajabhau Chavan, Yashwantrao Chavan Maharashtra Open University, India

Title: Screening of rice cultivars for aroma at various growth stages under different dates of sowing in Konkan condition

Shailesh Murugaa B, Anna University, India

Title: Data analytics on precision agriculture

Atul Kumar Jha, SRM University, India

Title: Improving crop yield and disease resistance with plant growth-promoting rhizobacteria (PGPR): A green approach

Niharika Borbaruah, Assam Agricultural University, India

Title: The revival of small millets in Assam, India: Current trends and strategies for the future

Greeshma K S BMS Institute of Technology and Management, India

Title : B.L.O.O.M: Botanical locomotion for optimized harvesting and management

Ajay Mittal, Tata Consultancy Services, India

Title: Study on the cause and effect of climate change on crop selection

Vinoth Gunasekaran, KRIC-National Engineering College, India

Title: Sustainable biofuels from various agri waste: A techno-economic analysis and review for the Indian subcontinent

Carla Kristine Silva, Department of Agriculture, Philippines

Title: Coffee leaf disease identification and severity estimation through deep learning methods

Mary Rose G Giban, Visayas State University, Philippines

Title: Growth, yield and quality of cucumber (*Cucumis sativus* L.) grown in hydroponic system as influenced by different aggregate compositions and pruning techniques

Muhammad Sarjan, University of Mataram, Indonesia

Title: The effects of application of dry skin of Virginia tobacco stems extract on population and attack intensity of leaf miner pests (*Liriomyza* sp.) On potato plants (*Solanum tuberosum* L.)

Senaka Lalith Dharmasri Amarathunga, Uva Wellassa University, Sri Lanka

Title: Assessing adoption of good agricultural practices in protected house vegetable growing farmers in Badulla district, Sri Lanka: Perceptions, challenges, and pathways for sustainable farming

B K D Jagath Rohan Samarasinghe, Northwest A & F University, Sri Lanka

Title: The long and short-run symmetrical and asymmetrical effects of climate change on rice production in Sri Lanka

Mevuni Sarada Jayathilaka, University of Ruhuna, Sri Lanka

Title: Optimizing moisture stress and salicylic acid application to enhance root yield and bioactive compounds in ashwagandha (*Withania somnifera*)

Mohamad Abdelatif Abdallah Abazaid, Plant Protection Research Institute, Egypt

Title : Survey and abundance of major insect pests on pomegranate fruits in Egypt

Tentative Program

Wessam Essam Elssawy, Agricultural Engineering Research Institute, Egypt

Title: Innovative solutions for conserving water, increasing productivity, and enhancing quality in agriculture

Hatem A Hamdon, New Valley University, Egypt

Title: Utilization of date palm leaves in the diet of lambs under tropical conditions

Saul Elias Lopez, Venezuelan Society of Agronomist, Venezuela

Title: Adoption of agro-technology in horticultural crops in Venezuela: Using satellite monitoring and virtual climate stations

Falek Wahiba, Inataa University Brothers Mentouri Constantine, Algeria

Title: Contribution to the phytochemical study, evaluation of the antioxidant and antimicrobial activities of different solvent extracts from the leaves of the Pistacia lentiscus L. plant collected from Eastern Algeria

Muhammad Farooq, Agriculture Research Institute Tarnab, Pakistan

Title: Enhancing crop yields: Integrating modern techniques in horticulture

Imran Ullah, University of Buner, Pakistan

Title: An empirical investigation of the impact of R&D expenditures and climate change on wheat productivity: Evidence from China, India, and Pakistan

Julio Cesar Blanco Rodriguez, Universidad de la Amazonia, Colombia

Title: Pasture degradation as a driver of deforestation in the Colombian Amazon

Reffai Youssef Mimoune, University Hassan II, Morocco

Title: Sourdough bread: Ecological dynamics, fermentation processes and nutritional benefits

Oyunbileg Natsagdorj, Mongolian Academy of Sciences, Mongolia

Title: Research on the use of effective microorganisms in agriculture with extreme climates

Zoleka Ncoyini Manciya, University of KwaZulu Natal, South Africa

Title: Ineffective Agricultural Advisors (AAs) support on climate information and adaptation strategies dissemination in Ugu district, KwaZulu-Natal

Sihle Ngxabi, Cape Peninsula University of Technology, South Africa

Title: Salinity influenced phytochemical, proximate, anti-nutrient and mineral composition of Trachyandra ciliata kunth (wild cabbage): A neglected halophyte from the western cape, South Africa

Mihle Inga Sokupa, Northwest University, South Africa

Title: Nitrogen fertilizer and rhizobium inoculant enhances morphology, yield and quality of selected vetch varieties

Andrew Kamara, Bukadde Magezi Farmers Association, South Africa

Title: Innovative solutions for sustainable food systems and human well-being

Ngugi Cecilian Njoki, Kenya Agricultural and Livestock Research Organisation, Kenya

Title: Banana weevil (Cosmopolites sordidus) devastating banana production in Kenya

Rasel M Madaha, Sokoine University of Agriculture, Tanzania, United Republic of

Title: The roles of a new strand of rural women's collectives in the adoption of agricultural technologies in rural areas of Africa: The case of IR-VICOBAs in Morogoro, Tanzania

Igberi Christiana Ogonna, Alex Ekwueme Federal University Ndufu, Nigeria

Title: Complexity of climate change variability and pesticide application on rice production in Nigeria

Tentative Program

Lawrence Fatsani Byson, University of Malawi, Malawi

Title: Malawi's national agriculture management information system ecosystem and opportunities

Shuaib Nour, South West State Somalia, Somalia

Title: Unpacking food insecurity in Somalia: Structural, institutional, and environmental barriers to sustainable agricultural development

Oral presentation slots are available

Poster Presentations

Susmita Lamichhane, University of Connecticut, United States

Title: Early assessment of nutrient deficiency in fruit crops using Unpiloted Aerial System (UAS) imagery

Eric Asamoah, Wageningen University and Research, Netherlands

Title: Random forest machine learning for maize yield and agronomic efficiency prediction in Ghana

Marija Sigurnjak Bures, Inovation and Development Ltd, Croatia (Hrvatska)

Title: Meta-analysis of biochar effects on plant yield and soil nutrient dynamics across agroecological systems

Oswaldo Resende, Instituto Federal de Educacao, Brazil

Title: CO₂ levels, technical breakage and quality of maize grains stored under different conditions

Arturo Rafael Armenta Lopez, Centro de Bachillerato Tecnológico Agropecuario, Mexico

Title: Mixture of plant extracts for the management of the bean weevil *Acanthoscelides obtectus*

Ljubisa Bezbradica, Institute of Architecture and Urban & Spatial Planning of Serbia, Serbia

Title: Planning of wind protection belts in the function of protecting agricultural land from aeolian erosion in lowland areas

Sadhana Shukla, Manav Rachna International Institute of Research and Studies, India

Title: Exploring role of *Rhizophagus proliferus* in soil-carbon dynamics and plant health: Implications for agricultural and environmental sustainability

Shihana Shihab, NSS College of Engineering, India

Title: Smart-Cocobot: Automated coconut tree climbing, maturity detection and harvesting robot

Sameh Abuo El Kasem, Agricultural Genetic Engineering Research Institute, Egypt

Title: Applications of advanced biotechnology and artificial intelligence and remote sensing technologies in enhancing food security and sustainable natural resource management

Jorge Antonio Freile Almeida, Amazonian State University, Ecuador

Title: Propagation of plantain (*Musa aab*) in a thermal chamber and in the open field using two biostimulants in the Arajuno canton, Pastaza province, Ecuadorian amazon

Yoel Rodriguez Guerra, Amazon State University, Ecuador

Title: Effect of worm castings on the vegetative development and agricultural yield of *Solanum lycopersicum* var. airton under seedbed and field conditions in the Sucúa Canton, Morona Santiago Province, Ecuadorian Amazon

Reinaldo Demesio Aleman Perez, Amazonian State University, Ecuador

Title: Sustainability assessment of production systems in two communities of Pastaza canton, Ecuadorian amazon

Tentative Program

Segundo Benedicto Valle Ramirez, Amazonian State University, Ecuador

Title: Phytosanitary challenges in Amazonian agroecology: Incidence and severity of insect pests in strategic crops in the Amazonas community, Madre Tierra Parish, Pastaza Canton

Poster presentation slots are available
