

4<sup>TH</sup> EDITION OF  
GLOBAL CONFERENCE ON

# AGRICULTURE AND HORTICULTURE

*Evaluating Transformations in Agriculture &  
Horticulture: Efforts to Enhance Food Security*

## Our OCMs



DACHANG ZHANG  
Water & Eco Crisis Foundation,  
United States



V. P. S. ARORA  
Venkateshwara Group of  
Institutions, India



SHASHI VEMURI  
Professor Jayashankar  
Telangana State Agricultural  
University, India



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



NELIDA LUCIA DEL  
MASTRO  
Instituto de Pesquisas  
Energéticas e Nucleares, IPEN/  
CNEN, Brazil



SARKER MOHAMMAD  
REZAUL KARIM  
Universiti Putra Malaysia,  
Malaysia

### Scientific TOPICS

- Agriculture Engineering
- AGRI Business
- Agro ecology and Sustainable Agriculture
- Agriculture Production Systems
- Plant Sciences
- Horticulture
- Floriculture and Viticulture
- Olericulture and Pomology
- Food Science and Technology
- Advances in Agriculture and Horticulture
- Global Trends and Challenges In Agriculture
- Agricultural Entomology and Pest Management
- Soil Science and Agricultural Chemistry
- Dairy, Poultry and Livestock Farming
- Agricultural Safety and Health
- Green House and Poly House Agriculture

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SEP 2024



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## Keynote Presentations

**Dachang Zhang**

Water & Eco Crisis Foundation, San Jose,  
United States

Title: Suitaiology: Environmental protection, water resource creation and agricultural development in mountainous areas

**Sarker Mohammad Rezaul Karim**

Universiti Putra Malaysia, Malaysia

Title: Empowering indigenous communities through Agro-entrepreneurship training in millet-mushroom food innovations for nutrition and socio-economic development.

**Nelida Lucia Del Mastro**

Instituto de Pesquisas Energéticas e  
Nucleares, IPEN/CNEN, Brazil

Title: Crucial role of fungi in environmentally sustainable agriculture

**Linas Balciauskas**

Nature research centre, Lithuania

Title: Role of agricultural areas for preservation of mammalian diversity

**Vijayan Gurumurthy Iyer**

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

Title: Importance of Environmental Impact Assessment (EIA) process for agricultural and horticultural projects, plans, programs, policies and legislative actions towards sustainable development

**Shashi Vemuri**

Professor Jayashankar Telangana State  
Agricultural University, India

Title: Impact of climate change on insect pests sustainable development

## Oral Presentations

**Gabrielle Elan Roesch McNally**

American Farmland Trust, United States

Title: Fostering climate smart agriculture in diverse communities.

**John Giles**

Promar International, United Kingdom

Title: What does good look like in UK & international horticulture?

**Anna Kirstgen**

Fraunhofer Institute for Systems and  
Innovation Research ISI, Germany

Title : Exploring the future of Europe's sustainable urban agriculture initiatives | trends and transformative narratives

**Sundaravelpandian Kalaipandian**

The University of Queensland, Australia

Title : Development of cloning technology for commercial application in date palm

**Derek Scuffell**

Halmstad University, Sweden

Title: Cost-effective IoT Solutions for pest management: Tackling invasive species in smallholder agriculture

**Henrik Barth**

Halmstad University, Sweden

Title: Safety first as a competitive advantage for agri-business

**Pia Ulvenblad**

Halmstad University, Sweden

Title: Safety first as a competitive advantage for agri-business

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<b>Timothy Leonard Koehnen</b> Human Resources for Economic Productivity for Agricultural and Rural Development, Portugal	Title: Human resources for economic productivity for agricultural and rural development
<b>Laura</b> Tecnalia, Spain	Title : Synthetic imaging for whitefly counting with few annotated real data
<b>Venus Saz,</b> College of Agriculture, Food, Environment and Natural Resources (CAFENR) Cavite State University, Philippines	Title : Agricultural sci-tech innovation assistance for food security and sustainability to Taal volcano's internally displaced population in Batangas
<b>Jheizon Feitoza do Nascimento Souza,</b> UNESP, Brazil	Title : Use of natural polymeric matrices in maintaining the organoleptic characteristics of minimally processed foods
<b>Ertugrul Yilmaz,</b> Korkutelim Yem Food Industry Trade and Joint Stock Company, Turkey	Title : From the perspective of a veterinarian: The future of plant raw materials used in the feeding of farm animals
<b>Gopal Naik</b> Indian Institute of Managemnt (IIM), Bangalore, India	Title: Is productivity a major constraint in India's competitiveness in the global agricultural commodity market?
<b>Zhongsheng Guo</b> Northwestern A & F University, China	Title: Agriculture high quality development
<b>Saima Mohan</b> Hitachi India Pvt. Ltd., India	Title: Digital payment realization connecting farmer's producer organization for farm supply management Digital payment realization connecting farmer's producer organization for farm supply management
<b>Pranay Verma</b> Hitachi India Pvt. Ltd., India	Title: Digital payment realization connecting farmer's producer organization for farm supply management
<b>Ramesh G B,</b> Indira Gandhi Agriculture University, India	Title : Decomposition of sources of growth in horticulture crops in Karnataka: An economic analysis
<b>Sova Yadav</b> Banaras Hindu University, Varanasi, UP, India	Title : Optimization of different artificial diets on development and reproduction of the fall armyworm ( <i>Spodoptera frugiperda</i> )
<b>Vijayachandra Reddy,</b> University of Agricultural Sciences, Raichur, India	Title : A study on determinants for supply in retail markets by sweet orange farmers in Anantapuramu district of India.
<b>Mallikarjuna Muddappa,</b> Dept of Soil and Water Conservation Engineering, College of Agricultural Engineering, UAS, Raichur, India	Title : Determination and assessment of morphometric analysis of Hirerayanakumpi sub-watershed in Krishna river basin of Raichur district, Kalyana-Karnataka, India using DEM and GIS techniques
<b>Ramesh G B,</b> Indira Gandhi Agriculture University, India	Title : Decomposition of sources of growth in horticulture crops in Karnataka: An economic analysis
<b>Madhusmitha Baruah</b> Dibrugarh University, India	Title: Novel Ni-ZnO cross-linked carboxy methyl cellulose-based nanocomposite hydrogel beads for agricultural applications

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<b>Senaka Lalith Dharmasri Amarathunga</b> Uva Wellassa University, Sri Lanka	Title: Integrating ethno-climatology knowledge to enhance climate resilience in organic tea cultivation: A case study of Sri Lankan tea smallholders
<b>Marjana Zajc</b> Geological Survey of Slovenia, Slovenia	Title: Analyzing agricultural land conditions with non-invasive GPR and thermal UAV surveys
<b>Anja Korosa</b> Geological Survey of Slovenia, Slovenia	Title: Nitrate leaching from agricultural lands by means of mini lysimeter
<b>Elias Nelly Bapfakurera</b> Sokoine University of Agriculture, Tanzania, United Republic of	Title: Aboveground biomass of the tree species used for fuel in tree-based systems within the agricultural landscape of Rwanda
<b>Anne Wanjogu Gichangi</b> Knya Agricultural and Livestock Research Organization (KALRO), Kenya	Title : Formal seed systems to support rapid adoption of improved varieties in sweet potatoes
<b>Fatbardh sallaku</b> Agricultural University of Tirana, Albania	Title: Sustainable development of agriculture sector and rural areas in Albania, challenges in the EU accession perspective
<b>El-Hacene Balla,</b> University of Bejaia, Algeria	Title : Effect of dietary supplementation of <i>Dittrichia viscosa</i> leafs on growth performance in broiler chickens
<b>Pradip Thapa</b> Nepal Agricultural Research Council, Nepal	Title: Policy provisions, status and gaps for registration and maintenance of farmers' varieties in Nepal
<b>SAWADOGO Abdoulaye</b> Joseph Ki-Zerbo University, Burkina Faso	Title: Security crisis and agricultural crisis: When farmers swap the hoe for the gun in Burkina Faso
<b>Musa Baldeh</b> Surex Farms, Gambia	Title: Enhancing crop yield and sustainability through precision agriculture: Case Study
<b>Hassan Masoumi</b> Yekom Consulting Engineers, Iran (Islamic Republic of)	Title: Reducing agricultural water consumption in Zarineh - Roud and Simineh - Roud Basin with emphasis on optimal cropping pattern and comprehensive management of water, soil and crop
<b>Sama Rahimi Devin,</b> Department of Horticultural Science, Shiraz University, Iran (Islamic Republic of)	Title : Melatonin and Horticultural crops
<b>Frederick K Mugerwa,</b> Self, Uganda	Title : Competitiveness of smallholder farmers in Uganda
<b>Felicity Aphiwe Mkhongi,</b> University of Johannesburg, South Africa	Title : More land, less cultivation: A current challenge or future trend for smallholder farmers in South Africa?
<b>Nkele Dorcus Malahlela,</b> University of Fort Hare, South Africa	Title 1: Effect of social capital and informal micro finance on household food security in Limpopo province, South Africa Title 2: The contribution of Community Food Gardens (CFG) to livelihoods of rural households in Lepelle-Nkumpi local municipality.

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<b>Happy Bango</b> University of Limpopo, South Africa	Title: Impact of varied rates of NPK fertilizer on the essential and non-essential mineral elements of indigenous tea ( <i>Jatropha zeyheri</i> ) of South Africa under field conditions
<b>Abdel-Raouf Abdel-Rahman Moustafa,</b> Suez Canal University, Egypt	Title : Strategies and Methods to Increase Agriculture Productivity and Soil Biodiversity

***Oral presentation slots are available !!***

## Poster Presentations

<b>Dolores Valentina Mariscal-Aguayo</b> Universidad Autonoma Chapingo, Mexico	Title: Online monitoring of the extension process in the vanilla ( <i>Vanilla planifolia</i> Jackson) crop in Puebla and Veracruz, Mexico
<b>Heriberto Estrella-Quintero</b> Universidad Autónoma Chapingo, Mexico	Title : Online monitoring of training for cocoa ( <i>Theobroma cacao</i> L.) producers in Tabasco, Mexico
<b>Hamil Uribe,</b> Instituto de Investigaciones Agropecuarias, INIA, Chile	Title : Effect of different levels of irrigation on yield and yield components of hazelnut ( <i>Corylus avellana</i> ) in central chili
<b>Himanshu Verma,</b> College of Agriculture & Environmental Technology, India	Title: Yield, quality, soil health and net income of the bread wheat ( <i>Triticum Aestivum</i> L.) as affected by natural farming, organic farming and various doses of Npk in western Himalayan zones of India
<b>Mayank Sharma,</b> Agriculture university, India	Title : Towards precision farming in Horticulture : as a transformative approach
<b>Bhagwat Saran Asati,</b> Indira Gandhi Agriculture University, India	Title1 : Study of spacing, correlation and path coefficient in Moringa ( <i>Moringa oleifera</i> L) var. PKM1 Title2 : Effect of different levels of irrigation on yield and yield components of hazelnut ( <i>Corylus avellana</i> ) in central chili
<b>Mebirouk Boudechiche Lamia</b> Chadli Bendjedid El tarf university, Algeria	Title : The antimethanogenic power of <i>Rubus fruticosus</i> and <i>Phillyrea media</i> : an asset for environment
<b>Dieudonne KEBA,</b> Societe SOMMAC, Congo, the Democratic Republic of the	Title: What is the role of the processing of local products for consumption in economic growth (GDP) and household resilience, to fight against hunger and malnutrition?
<b>Fahime Helali Soltanahmadi</b> Shahrood University, Iran (Islamic Republic of)	Title : Effect of organic matter pre-treatment on germination and Seedlings growth indices on Marigold ( <i>Calendula officinalis</i> L.) under drought stress

***Poster presentation slots are available !!***

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