



3rd International Conference

on Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (Hybrid Mode)



Theme and Sub-themes

Theme I: Gender-responsive Climate-Smart Technologies for Sustainable Production

- Climate-adaptive nutrient management for soil and crop health
- Gender-responsive conservation agriculture and resources management for technology adoption
- Climate-smart pest and disease management strategies for sustainable productivity

Theme II: Renewable Energy Technology for Gender Equity and Environmental Sustainability

- Technologies and processes for enhanced use efficiency of renewable sources in production agriculture and agro-processing
- Efficient energy management in agriculture and agro-based products
- Renewable energy technology adoption for rural households
- Gender-responsive policy frameworks for renewable energy

Theme III: Sustainable Soil and Water Management and Use of Remote Sensing and GIS in Agriculture

- Soil and water conservation techniques
- Pressurised irrigation system
- Plasticulture applications for high-tech agriculture
- GPS, satellite imagery, remote sensing & GIS application in agriculture

Theme IV: Nutri-Sensitive Approaches for Gender-equitable Sustainable Agriculture

- Advances to integrate nutrient-sensitive crops and varieties for sustainable nutritional security
- Enhancing gender equality in nutrition, food security and health
- Gender-equitable policy interventions for profitability and sustainable agriculture

Theme V: Gender-transformative Approaches in Agricultural Research and Education

- Bridging the gender gap in agricultural research and education
- Gender-transformative approaches in agricultural extension services
- Strengthening capacities of extension advisory service providers
- Women empowerment for leadership roles in the agricultural system



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Theme VI: Mechanization for Management of Agriculture System

- Advancement in gender-friendly machinery for enhancing productivity
- Mechanization in post-harvest processing
- Nanotechnology, functional, nutraceutical, and adulteration-free food products
- Technological advances for the reduction of drudgery and occupational health hazards among farm women

Theme VII: Horticultural Practices for Climate-Resilient Agriculture Production

- Climate-smart IFS for sustainable horticultural production
- Gender-responsive sustainable intensification of agri-horticultural systems
- Gender role in biodiversity conservation of agriculture
- Gender-responsive *Paramparik Kheti* and organic farming practices

Theme VIII: Animal Husbandry and Aquaculture for Sustainable Livestock and Fish Production

- Climate resilient integrated livestock and aquaculture production systems
- Technological innovations in sustainable livestock and fish management
- Value chain management in livestock and fish production systems
- Livestock and aquaculture health prospects & challenges
- Dairy technologies for the production of quality and affordable products

Theme IX: Integration of Artificial Intelligence in Agriculture for Smart Farming

- Data-driven decision-making for precision agriculture
- Machine learning and deep learning applications for smart farming
- Robotics, AI, and automation in smart farming
- IoT solutions for real-time farm management

Theme X: Promoting Gender Equity in Sustainable Agriculture

- Addressing gender gaps for access to resources
- Women inclusive sustainable food value chain system
- Innovative solutions for start-ups and entrepreneurship
- Gender-responsive policies and capacity building