



## 3<sup>rd</sup> International Conference on

Final Circular

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

November 06-08, 2024

**Venue**

ICAR-Central Institute for Women in Agriculture, Bhubaneswar



**JOINTLY ORGANIZED BY**

Pragati International Scientific Research Foundation (PISRF), Meerut, India

&

ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), Bhubaneswar

**IN COLLABORATION WITH**

Research Association for Gender in Agriculture (RAGA), Bhubaneswar



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### Pragati International Scientific Research Foundation (PISRF)

The Pragati International Scientific Research Foundation (PISRF), headquartered in Meerut, India, is a distinguished scientific organization established as a Trust under 'The Indian Trusts Act of 1882'. The foundation is dedicated for advancing research awareness and development in agriculture to augment food, nutrition, and livelihood security for farmers. It is a pivotal scientific platform for convening conferences, workshops, and seminars on diverse subjects such as farm mechanization, climate change, sustainable agriculture, horticulture, post-harvest management, value addition, and empowering socially disadvantaged women through entrepreneurship. PISRF has organized impactful international conferences, such as the "1st International Conference on Sustainable Agriculture Production for Food, Nutrition, and Livelihood Security: A Challenge for Asian Farmers", held in Pattaya, Thailand, from September 25-28, 2019. This event attracted over 250 participants from around the world. Building on this success, the foundation hosted the "2<sup>nd</sup> International Conference on Prospects and Challenges of Environment and Biological Sciences in Food Production System for Livelihood Security of Farmers (ICFPLS-2023)" from September 18-20, 2023, at ICAR-Central Island Agricultural Research Institute (CIARI), Port Blair, Andaman & Nicobar Islands, India, with a similarly impressive attendance. In addition to its role in organizing conferences, PISRF actively contributes to the welfare of farmers through continuous efforts and publishes the biannual Hindi magazine, "Pragatishel Khet" providing a valuable medium for disseminating knowledge and insights in the realm of progressive agriculture.

### ICAR-Central Institute for Women in Agriculture (ICAR-CIWA)

ICAR-Central Institute for Women in Agriculture (ICAR-CIWA), located in Bhubaneswar (Odisha), established in 1996, is a pioneering institution emphasizing participatory action research to tailor the farm technologies to suit the needs of the farm women. It is an institution, the first of its kind in India, with a unique mandate for gender research and is dedicated to gender mainstreaming and women empowerment in agriculture to realize enhanced productivity and sustainability of agriculture. The Institute generates and disseminates knowledge to promote gender-sensitive decision-making for enhancing the efficiency and effectiveness of women in agriculture. Research areas of the institute focus on technology assessment and refinement in gender perspective; management of operational drudgery for farm women; livelihood and nutritional security of farm families; women empowerment and entrepreneurship development, gender-sensitive extension methodologies; creation of a repository of gender-disaggregated data and policy advocacy. The All India Coordinated Research Project (AICRP) on Women in Agriculture with 13 centers in 12 states of the country is being coordinated by ICAR-CIWA. This AICRP addresses the region-specific issues related to women in agriculture with a specific focus on livelihood security, household nutrition, reduction of drudgery and occupational health hazards, and capacity building of agrarian families. A center of 'AICRP on Ergonomics and Safety in Agriculture' is also functioning at ICAR-CIWA since 2018 with the mandate of application of ergonomic principles and anthropometric data for increasing productivity, reducing drudgery, and minimizing accidents and occupational health problems of workers in agriculture and allied sectors.





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### About the Conference

Adaptation to climate change and addressing food, nutrition, and gender issues in agricultural systems needs immediate attention at regional, national, and global scales. An integrated farming system has been advocated to meet the diverse nutrient-rich food demands of the ever-increasing population. However, several challenges and institutional bottlenecks exist to achieve sustainable development goals. The International Conference on "Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges" provides a platform for interdisciplinary dialogue on critical issues shaping the future of agriculture. Delving into ten thematic areas, the conference explores sustainable practices and challenges within Climate-Smart Agriculture, Integrated Nutrient Management, Gender-Inclusive Agricultural Extension, Agricultural Mechanization, Horticulture, Animal Husbandry, Artificial Intelligence, and Gender Equity. Each theme encompasses specific sub-themes, such as innovative nutrient-sensitive crop integration, gender-responsive extension services, and advanced technologies in artificial intelligence for precision agriculture. The conference aims to foster knowledge exchange, addressing challenges like gender disparities, technological advancements, and sustainable practices. It aspires to generate insights and promote collaborative strategies to enhance the resilience and gender equity of agricultural systems. This academic gathering is poised to contribute valuable perspectives, shaping the trajectory of sustainable agriculture globally.

### Call for Papers

The call for abstracts for the International Conference on "Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges" invites submissions in English. Abstracts, limited to 300 words in 'Times New Roman', and font size 12, must include a brief introduction, objectives, methods, results, and conclusions. The submission should feature the title, authors' names, and affiliations and designate the corresponding author with an asterisk (\*). Submissions can be sent to [icnsfs2024@gmail.com](mailto:icnsfs2024@gmail.com) or via the provided link: <https://pisrf.org/ICNSFS-2024/>. Accepted abstracts will be published in the Conference's Book of Abstracts/Souvenirs, contributing to the scholarly discourse of sustainable agriculture. The conference sessions will encompass invited and lead talks and oral and poster presentations delivered by distinguished scientists, educators, and research scholars, both nationally and internationally. The hybrid format, incorporating both online and physical modes, ensures widespread accessibility. Interested participants can register online via the conference website by completing a form before the August 30, 2024 deadline. Upon successfully completing the program, attendees will receive a participation certificate, which will be presented during the valedictory session. This inclusive platform offers a dynamic exchange of knowledge and insights, fostering collaborative advancements in sustainable agriculture. The poster presentation for the conference requires a 1 x 1.2 m display featuring the title, names of author(s) with affiliations, a concise introduction, materials and methods, and summarized results and conclusions. The presenter's name must be underlined, and contact details, including the email address, should be provided for further inquiries.



# 3<sup>rd</sup> International Conference

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### 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



# 3<sup>rd</sup> International Conference

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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



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### Conference and Society Awards/Honors

Recent resumes/CVs are invited for awards listed below from eligible candidates through email to [icnsfs2024@gmail.com](mailto:icnsfs2024@gmail.com) or <https://pisrf.org/ICNSFS-2024/> on or before September 30, 2024.

**Lifetime Achievement Award:** For Professionals, Educationists, and Entrepreneur (age >55)

**Honorary Fellowship:** For Eminent Scientist (age >40)

**Distinguished Service/Scientist Award:** For the Development of Science, Education, and Weaker Section

**Scientist of the Year Award:** Eminent Scientists/Academician for outstanding contributions in their respective field

**Best Teacher Award:** For Academician/Faculty with a track record of excellence in teaching

**Young Scientist Award:** Faculties/Scientists/Academicians for their significant contribution (age <40)

**Best Book Award:** For Authors/Editors in relevant field

**Best Thesis Awards:** For Outstanding PhD Research Work

**Innovative Farmer Award:** Engaged in scientific /sustainable farming

**Best Oral/Poster Presentation Award:** For every session

\*All society awards will be conferred after the approval of the award committee for life members' professional activities of PISRF.

### Important Dates

Abstract Submission	September 20, 2024
Acceptance of Abstract	September 22, 2024
Last date for the payment of Registration Fee	September 25, 2024
Full-Length Paper Submission	September 30, 2024
Conference Date	November 06-08, 2024

### Conference Registration

Registration Fee	Date of registration on or before	Indian Delegates (INR)	Foreign Delegates (USD)
Early-bird Registration	September 25, 2024	10000	250
On-spot Registration	November 06, 2024	12000	300
Research Fellow/ Students (Physical Mode)	September 25, 2024	6000	150
Online Oral Presentation	September 25, 2024	5000	100
Poster Presentation (Online)	September 25, 2024	4000	100
Industry Partners	September 25, 2024	15000	--

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### Sponsorships

Platinum	INR 500000/-
Golden	INR 300000/-
Silver	INR 200000/-
Bronze	INR 100000/-

### Mode of Payment

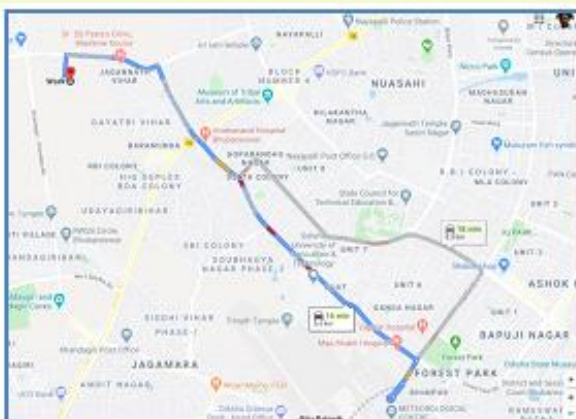
Name of the Bank	Axis Bank
Branch	Pallavpuram, Modipuram, Meerut
Account Name	Pragati International Scientific Research Foundation
Account No.	919020010129220
IFSC	UTIB0002504
SWIFT Code	SWIFT Code
Scan for UPI	

### Boarding and Lodging

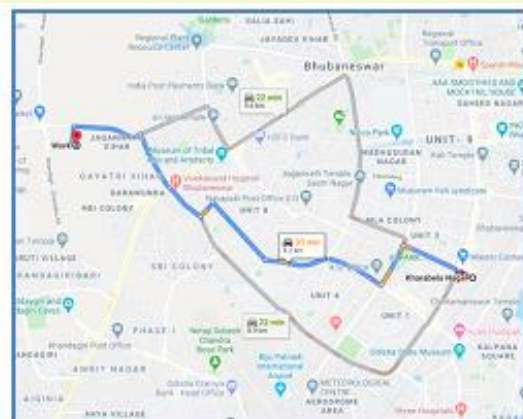
Bhubaneswar is a rapidly growing city with world-class luxury hotels for comfortable stays at reasonable prices. Several accommodation options are available for stay, including guest houses, budget hotels, and 3 and 5-star hotels.

### How to Reach ICAR-CIWA?

The ICAR-Central Institute for Women in Agriculture (ICAR-CIWA) is located in Bhubaneswar, Odisha, India. It is situated opposite Kalinga Studio Square near Baramunda, about 10 km from Bhubaneswar Railway Station and 8 km from Bhubaneswar Airport.



Route: Airport to ICAR-CIWA



Route: Railway Station to ICAR-CIWA

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### Organizing Committee

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### Coordinators

- Dr Praveen Jakhar**, Sr. Scientist, ICAR-CIWA, Bhubaneswar  
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**Dr KP Singh**, ADG (FE), ICAR-New Delhi  
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### Tourist Attraction

Post-conference field visits/education trips will also be arranged on a payment basis. A detailed tour plan will be announced soon.

#### PURI

Located at 65 km from Bhubaneswar, the Lord Jagannath temple is one of the holiest char dham abodes of Lord Vishnu in India. In its sanctuary, wooden images represent Jagannatha, his brother Balabhadra (Balarama) and his sister Subhadra. Modern representations made in Puri of the 10 avatars (incarnations) of Vishnu often show Jagannatha as one of the 10 in place of the more usually accepted Buddha.



#### DHAULI

Dhuligiri Hills is a place marked with the serenity of Daya River and lies at a distance of 8 km from Bhubaneswar. The concept of dharma- vijay became ultimate goal of King Ashoka as he took Buddhist teachings deep into his heart after the end of the bloody battles (Kalinga War) ended in 261 B.C. The dome structure of the Shanti Stupa possesses five umbrellas and they symbolize the five essential parts of Buddhism.



#### KONARK

The Konark or Konarak Sun Temple is dedicated to the Hindu Sun god Surya and conceived as a giant stone chariot with 12 wheels. It is the most famous of the few sun temples built in India. This temple is located about 60 km from Bhubaneswar. When viewed from inland during the dawn and sunrise, the chariot-shaped temple appears to emerge from the depths of the blue sea carrying the sun.



#### NANDANKANAN ZOOLOGICAL PARK

Located 15 km from Bhubaneswar, Nandankanan literally means "celestial garden". This is a 437-hectare zoo and botanical garden in Bhubaneswar. Nandankanan is the only zoological park in India to become an institutional member of World Association of Zoos and Aquarium (WAZA). The zoo enjoys a good reputation internationally for successfully breeding black panthers, gharials and white tigers in captivity. This is the first zoo in the World to breed White and Melanistic tiger.



**For further details, please contact**

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