

ICAR CIWA

NEWS

ICAR - CENTRAL INSTITUTE FOR WOMEN IN AGRICULTURE, BHUBANESWAR-751003

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ICAR-CIWA in News



From the Director's Desk

In India, women farmers rely deeply on agri-allied sectors for their livelihood and socio-economic needs. They are involved in various stages of food production, from planting and harvesting to post-harvest activities such as processing and marketing. Women farmers involved in agri-food system are more vulnerable to climate change as compared to men for several social, cultural, technological and economical issues. Empowering women in social, economical, political, personal wellbeing and psychological dimensions will improve agricultural productivity, significantly reduce migration, enhance social security for families and women. Realizing all these facts, ICAR-CIWA is continuously working for empowerment of farm women and livelihood improvement of farm families.

During this quarter, the Institute has analysed women empowerment index and livelihood development index in watershed area and gender preferences for climate-resilient animal husbandry in Bihar, Andhra Pradesh, and Odisha. The Institute obtained two trademarks during the period. The Trademark for "TechCIWA" was granted under 5 different classes while Trademark for ICAR-CIWA logo was registered under class 42.

The Institute organized different important events such as Research Advisory Committee Meeting, World Intellectual Property Day, and International Yoga Day. Several capacity building, training programmes were also organized for the benefits of women farmers and other stakeholders. Hindi *Karyashala* was organized to promote the use of Hindi among the staffs. A number of activities under SCSP and *Swachha Bharat Abhiyan* were also carried out in the villages with utmost enthusiasm.

I am pleased to share this edition of the Quarterly Newsletter and appreciate all the collaborators, contributors and other stakeholders for their continuous support in mainstreaming and empowering women in agriculture.

(Mridula Devi)

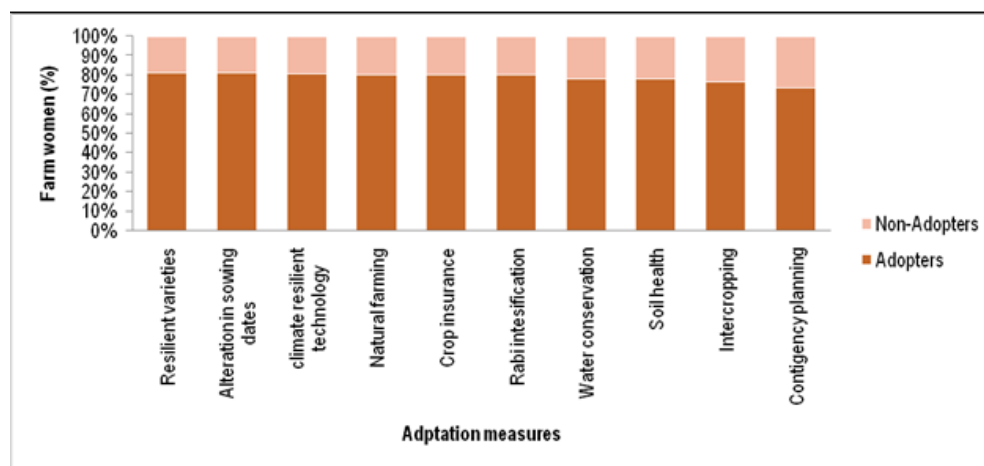
RESEARCH HIGHLIGHTS

Economic analysis of different climate smart strategies in varied land topography

(Praveen Jakhar, Sabita Mishra, Sachidananda Swain and Neetish Kumar)

The impact study of climate change on farm women analyzed their perceptions and adoption of climate-resilient technologies across lowland, midland, and upland areas in three blocks of Keonjhar district, prone to cyclones and droughts. Data from 300 farm women in 20 villages and yield data from 50 demonstration plots identified key adoption barriers, including knowledge gaps, equipment shortages, and limited access to crop insurance. To mitigate climate risks, strategies such as climate-resilient crops, adjusted sowing dates, conservation agriculture, and zero-tillage (mean score: 1.81) were prioritized. Natural farming, crop insurance (PMFBY), and intensified Rabi cropping during Kharif failures (score: 1.80) emerged as crucial. Other practices, including water-saving techniques, intercropping, reduced plant populations in stress seasons, and labor-saving tools, followed with mean scores between 1.73-1.79. Farm diversification and non-

agricultural income are key for long-term adaptation, alongside community preparedness, drought prediction, and monitoring for effective mitigation. The economic analysis of climate-resilient technologies across topographies in Keonjhar underscores financial viability. Upland rice with summer ploughing has a cost of cultivation (CoC) of ₹74,993/ha, yielding a BC ratio of 1.54. Midland direct-seeded rice (DSR), with a CoC of ₹47,718/ha, achieves a BC ratio of 1.32. Lowland Kharif rice, using drum seeding and green/brown manuring, yields BC ratios of 1.32-1.39. In Rabi, black gram (BC: 1.64) and green gram (BC: 2.26) offer high returns. Chickpea (BC: 1.44), mustard (BC: 1.27), sesame (BC: 2.02), and sunflower (BC: 1.20) also show profitability. The findings highlight cost-effective practices and high-value crop selection for improved economic resilience, with BC ratios ranging from 1.12 to 2.26.



Understanding Gender Preferences for Climate-Resilient Animal Husbandry in Bihar, Andhra Pradesh and Odisha

(Arun Kumar Panda and Arpita Mohapatra)

In India, the adoption of climate-resilient animal husbandry practices is influenced not only by environmental and economic factors but also by gender dynamics. In states like Bihar, Andhra Pradesh, and Odisha, gender preferences significantly shape how livestock farming systems adapt to the impacts of climate change. These regions are characterized by varying climatic conditions and socio-economic contexts. In Bihar, where livestock farming is a key livelihood activity, women play a significant role in animal care, particularly in managing smaller livestock like goats, and buffalo. Women's preferences often align with low-maintenance, disease resistance and climate-resilient animals that can withstand pre flood

and post flood situations. Women in cyclone prone study area of Andhra Pradesh and Odisha prefer dairy cattle. They viewed dairy farming as a crucial income. In Kodli village of Bihar women preferred cattle over buffalo due to the challenges of transporting them across the Kosi River. Women in Rajasthan preferred livestock breeds that are heat-tolerant, drought-resistant, and require less water and feed. For example, breeds like the Tharparkar cattle, known for their resilience to heat, and the Magra sheep and Marwari goat, which are more adaptable to dry conditions, are favoured by women due to their low maintenance and ability to thrive in the region's extreme climate.

Table 3: Preference of livestock species for women to improve their livelihood

Livestock species	States			
	Andhra Pradesh	Rajasthan	Odisha	Bihar
Cattle-Dairy	High	Medium	High	Medium
Buffalo-Dairy	NA	Medium	NA	High
Goat	Low	High	Medium	High
Sheep	Low	Medium	NA	NA

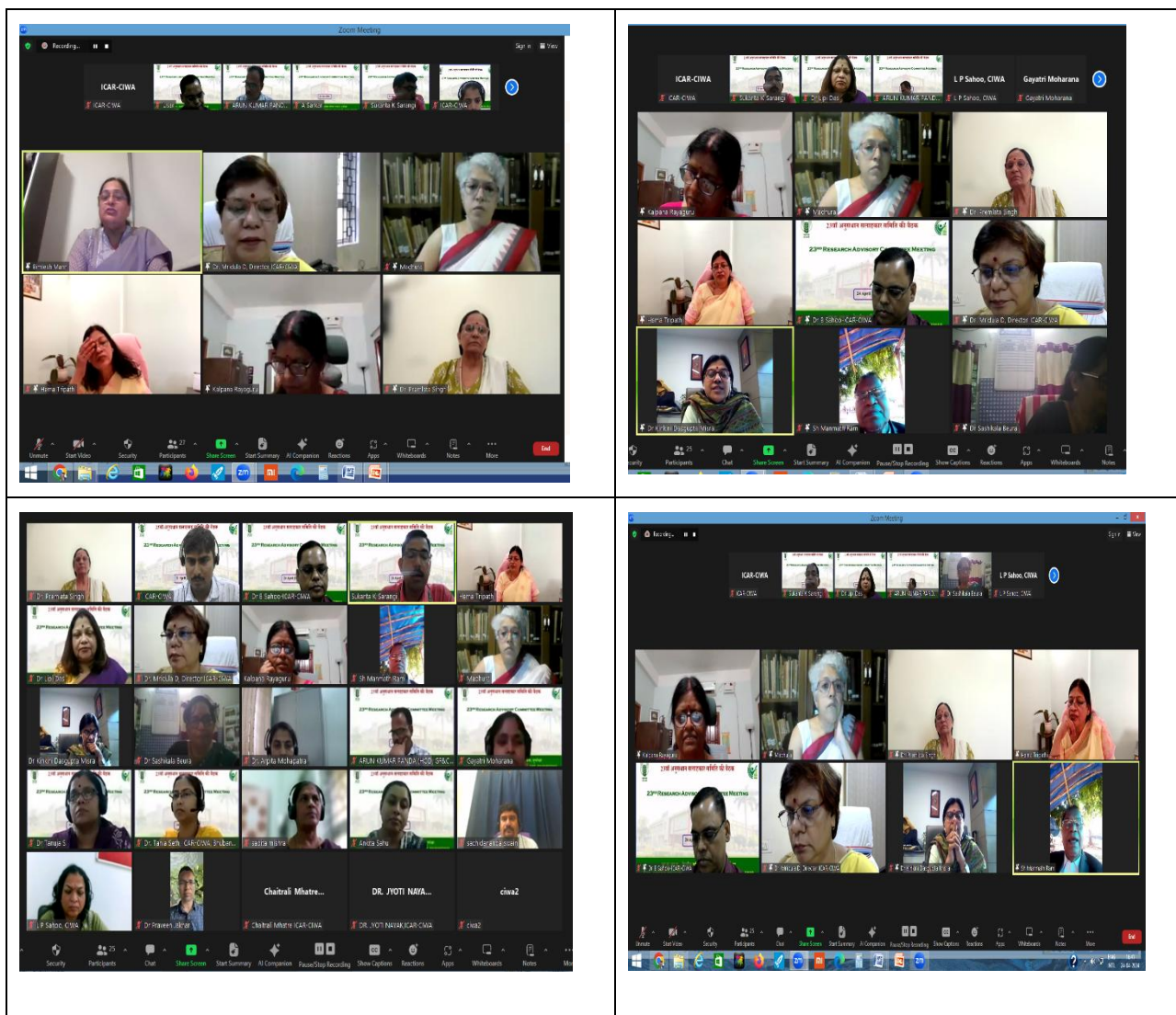
IMPORTANT EVENTS

23rd Research Advisory Committee Meeting organized at ICAR-CIWA

The 23rd Meeting of Research Advisory Committee (RAC) Meeting of ICAR-Central Institute for Women in Agriculture was held on 24th April 2024. The meeting was Chaired by Dr (Prof.) Madhura Swaminathan, Head of Indian Statistical Unit, Bangalore. The Chairperson of RAC, emphasized upon the identification of associated problems, social constraints and challenges being faced by the farm women and urged the scientists to reorient and consolidate on gendered research addressing the socio-economic issues of farm women. The RAC members advised the scientists that research studies should be women-centric and focused on specific gender dimensions, following the appropriate methodology with measurable output and outcome. Dr Bimlesh Mann, Asst. Director General (EP&HS) advised that the scientists should focus on innovations especially ICT

based technologies, commodity specific and region specific through multidisciplinary approach, multisite testing of technologies, refinement, nutri-sensitive agriculture, drudgery reduction etc. followed by commercialization and popularization of women friendly technologies. The RAC recommended to emphasize upon women-centric and gender-sensitive research projects focused on specific gender dimensions of a problem and methodology of gender research and undertake impact assessment of research projects. The existing national database/official statistics should be evaluated from the perspective of gender-specific indicators. RAC also suggested to take up specific agricultural and allied sector programmes and policies of the Government of India or State Governments, evaluate them on gender lens and suggest gender-specific modifications for promoting gender equity. During the

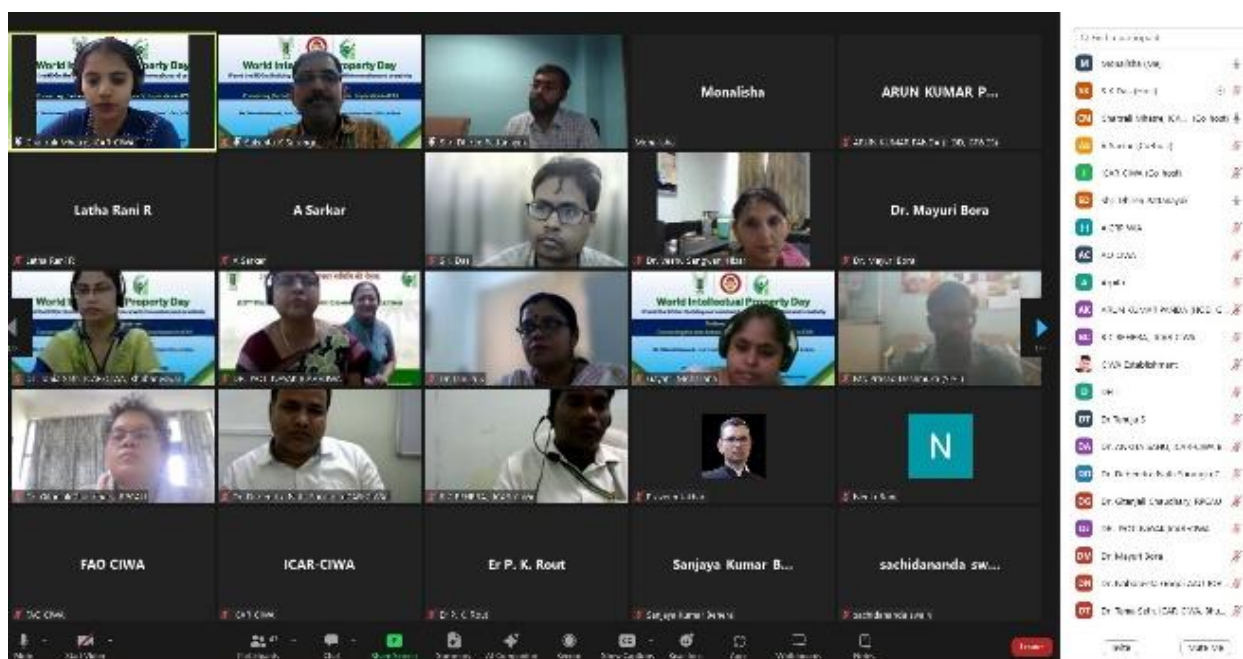
research works, identification of gaps, constraints and challenges associated with different interventions and adoption level should be studied along with the solutions to measure outcomes. Multi-state and multi-site research studies are very important for research projects. ICAR-CIWA should develop strong networking and collaboration with other institutions especially all those organization working for women in agriculture. Developing linkage with concerned ICAR institutes, SAUs, KVKs for technology assessment, refinement, demonstration, popularization and skill-based capacity development of farm women for technology absorption should be made. The institute should develop good networking, nationally and internationally, so as to undertake multidisciplinary and inter-institutional projects.



World Intellectual Property Day

ICAR-Central Institute for Women in Agriculture, Bhubaneswar celebrated World Intellectual Property Day on 2 May 2024 by organizing a National Webinar on “IP and the SDGs: Building our common future with innovation and creativity” through virtual mode. More than 60 participants comprising Scientists from ICAR-CIWA, AICRP on Women in Agriculture, Technical officers, Administrative staff, Senior Research Fellows and Young Professionals participated in the webinar. On this occasion a presentation on

“Connecting the dots between IP and the SDGs Implication in ICAR” was delivered by Mr. Dhiren Pattanayak, Asst. Controller of Patents & Design and NIPAM officer, Indian Patent Office, Kolkata. The presentation highlighted the importance of IP rights such as patents, copyrights, designs, trademarks in research areas. He also explained that how Intellectual Property Rights, when strategically deployed, can drive progress towards all of the Sustainable Development Goals (SDG).



International Day of Yoga

ICAR-Central Institute for Women in Agriculture (ICAR-CIWA) Bhubaneswar celebrated International Day of Yoga on 21 June 2024. This day is dedicated to raising awareness about the benefits of practicing yoga and promoting its holistic approach to physical and mental well-being. This year marks the 10th International Day of Yoga with the theme 'Yoga for Women's Empowerment' that aims to transform yoga into a widespread movement that emphasises women's well-being and promotes global health and peace. Yoga is not merely a physical exercise but a holistic approach to life. It integrates ethical principles (yamas and niyamas), physical postures, breath control, sensory withdrawal (pratyahara), concentration (dharana), meditation (dhyana), and ultimately, self-realization (samadhi). Yoga serves as a comprehensive system for physical health,

mental clarity, emotional stability, and spiritual growth. Dr. Mridula Devi, Director, ICAR-CIWA, Bhubaneswar in her address highlighted the importance of finding balance in life and encouraged on physical, mental, and spiritual harmony. She advised the staff to practice yoga every day to reduce stress, keep good health and increase work efficiency. Various Yoga Asanas and Pranayamas were performed by staff as per common yoga protocol under the guidance of Yogacharya Shri Prince Parija of Patanjali Yoga, Bhubaneswar. All the Scientific, Technical and Administrative staff along with YP, SRF and contractual staff of ICAR-CIWA enthusiastically participated in the program. The expert also answered various queries raised by the staff on the benefits of specific Asanas on physical as well as mental health.





हिंदी तिमाही कार्यशाला

दिनांक 21 जून 2024 को भा.कृ.अनु.प.-केन्द्रीय कृषिरत महिला संस्थान, भुवनेश्वर में हिंदी कार्यशाला का आयोजन किया गया। संस्थान के सभी वैज्ञानिकों, अधिकारियों एवं कर्मचारियों ने इसमें हिस्सा लिया। इस कार्यशाला में मुख्य वक्ता के रूप में डॉ. गायत्री तिवारी, प्रोफेसर एवं वरिष्ठ वैज्ञानिक, मानव विकास एवं परिवार अध्ययन विभाग, महाराणा प्रताप कृषि एवं प्रौद्योगिकी विश्वविद्यालय, उदयपुर जी को आमंत्रित किया गया था। इस कार्यशाला का विषय "सकारात्मक व्यावसायिकता में राजभाषा हिंदी का महत्व" था। सर्वप्रथम संस्थान की निदेशक महोदया ने अपने स्वागत सम्बोधन में कार्यशाला में उपस्थित वैज्ञानिकों एवं कर्मचारियों को राजभाषा हिंदी का सरकारी कार्यों

में अधिकाधिक प्रयोग करने की जो लक्ष्य थी उस पर किए गए प्रयासों को सराहा तथा इस प्रयास को जारी रखने के लिए अपील की। मुख्य वक्ता द्वारा कार्यस्थल में सकारात्मक व्यावसायिकता कैसे बनाए रखे तथा समाज पर सकारात्मक प्रभाव डालने में इसका महत्व को रेखांकित किया गया। सकारात्मक व्यावसायिकता में हिन्दी का महत्व बताने के लिए वक्ता ने कई माइंड गेम्स भी करवाए। सकारात्मक व्यावसायिकता को उन्होंने एक माँ के स्वरूप से जोड़ा और बड़े ही अनोखे ढंग से इसे श्रोताओं के मन में चित्रित किया। हिन्दी सिर्फ एक भाषा के रूप में भारत की पहचान नहीं है बल्कि यह हमारे जीवन की मूल्यों, संस्कृति एवं संस्कारों की सच्ची संवाहक,

संप्रेषक और परिचायक भी है। उनके अनुसार हिन्दी एक वैज्ञानिक भाषा है जिसे दुनिया भर में बड़े ही सहज सरल तरीके से समझाया या बोला जा सकता है। अंत में सभी अधिकारियों और कर्मचारियों को आधे मिनट तक हिन्दी में वार्तालाप करने की चुनौती दी गयी, जो कि कार्यशाला का सबसे रोमांचक हिस्सा था। कृषि अनुसंधान और प्रसार के काम में राजभाषा

हिंदी की अहम भूमिका को देखते हुए वक्ता द्वारा प्रस्तुत प्रेरणादायी बातें, इंटरैक्टिव सत्र और राजभाषा हिंदी को पूरे भारतवर्ष में व्यावसायिकता के विभिन्न आयामों में ज्यादा से ज्यादा इस्तेमाल करने की विस्तृत चर्चा इस कार्यशाला को सफल बनाता है। इस कार्यशाला से लगभग 40 कर्मचारी लाभान्वित हुए।



MAJOR PROGRAMMES

SCSP

Scheduled Castes Sub Plan (SCSP) is a central scheme under which Scheduled Castes persons living below the Poverty line are the target groups. The main objective of the scheme is to give a thrust to family and women-oriented schemes of economic development of SC families below the poverty line, by providing resources for filling the critical gaps. Under this programme, ICAR-CIWA focuses on technology dissemination, capacity building, livelihood support, skill, and entrepreneurship development of farm women for their techno socio-economic

empowerment. During this quarter 2 nos. of capacity building programmes were organised at Jaleswar, Baleswar and Nayagarh. A total of 95 nos. SC farm women were covered during this quarter under various capacity and skill building programmes. On different occasions, multidisciplinary team of scientists interacted with different women FPOs, Industries and other stakeholders for development of SC women entrepreneurship and enhancing the business and marketing opportunities.

S.No.	Programme	Location	Duration	No. of participants	Coordinator/ Team
1.	Interaction meeting with the WSHG groups to discuss and identify locations for establishment of CHCs	Kamanpada village, Sugo, Jaleswar and Badhapal village, Balipal, Baleswar	16 May 2024	45	Dr. Ananta Sarkar B. C. Behera
2.	Inception Workshop on 'Processing and Value Addition of Horticultural Crops' for establishment of Women led Custom Hiring Centre under SCSP	Champapedi, Ranapur, Nayagarh	10 June 2024	50	Dr. Tania Seth Dr. Ankita Sahu

Swachha Bharat Abhiyan

Initiatives promoting cleanliness both within and outside the campus were organized as a part of Swachha Bharat Abhiyan. Several cleanliness and sanitation drives were organized by ICAR-CIWA during this period. Demonstration of agricultural

technologies for conversion of waste to wealth like vermi-composting was made for farmers in field for resourceful agricultural waste disposal and conversion of waste to wealth.



HUMAN RESOURCE DEVELOPMENT

Training/ Seminar/Symposium/Workshop attended

- All the scientist of the Institute attended the Meeting presided by Honb'le DG on 'Eco-regional Working Group Programmes by SMDs' (Online) on 12 Apr 2024.
- All the scientist of the Institute attended the Meeting presided by Honb'le DG on 'Viksit Bharat' (Online) on 16 Apr 2024.
- All the scientist of the Institute attended the Review Meeting of Honb'le DDG (Agril. Edn.) at ICAR-CIWA during 20-23 Apr 2024.
- Dr Neetish Kumar attended the Foundation day of ICAR-NRRI, Cuttack and participated in 2nd Dr. K. Ramiah Foundation Day Lecture delivered by Dr. Himanshu Pathak, Secretary (DARE) & Director General, ICAR on 23 Apr 2024.

- All the scientist of the Institute attended the Research Advisory Committee (Online) on 24 Apr 2024.
- Dr. Praveen Jakhar attended Review Meeting of OIIPCRA Project and presented the project achievement at Rajeev Bhawan, Bhubaneswar on 19 Apr 2024 and at CDAO office, Keonjhar on 25 Apr 2024.
- All the scientist of the Institute attended the Meeting on 'Viksit Bharat' (Online) on 1 May 2024.
- All the scientist of the Institute attended the Meeting on 'Celebration of World Intellectual Property Day, event lecture by Mr. Dhiren Pattanayak, Asst. Controller of patents & Design and NIPAM officer, Indian Patent Office, Kolkata (Online) on 2 May 2024.
- All the scientist of the Institute attended the Meeting on 'Viksit Bharat' (Horticulture Crops) (Online) on 2 May 2024.
- All the scientist of the Institute attended the Seminar on 'Connecting the dots between IP and the SDGs Implication in ICAR' (Online) on 2 May 2024.
- Dr. Tanuja S. attended the Meeting of Higher Education Committee (Online) on 9 May 2024.
- Dr. Lipi Das attended ARRW Executive Committee Meeting at ICAR-NRRI, Cuttack on 2 May 2024.
- Dr. Ananta Sarkar participated in 1st Meeting of Gender Responsiveness Coordination Committee as Member and Acted as Data Officer for the Round 2 Survey of PSA: Evaluation of Innovation Excellence Indicators of Public Funded R&D Organizations on 8 May 2024.
- Dr. Lipi Das attended the 16th Research Council of DRPCAUI, Pusa, Samastipur during 06-07 May 2024 as an Expert.

EXTENSION ACTIVITIES

A. Training, Workshops, Demonstrations, Field Day & Awareness Programmes

S. No.	Programme	Location	Duration	No. of participants	Coordinator/Team
1.	Training cum demonstration programme on 'Natural Farming for Sustainable Production, Nutrition and Health for farmwomen'	ICAR-CIWA	17 May 2024	21	Dr. A. K. Panda Dr. L. P. Sahoo Dr. Ankita Sahu
2.	Training cum Demonstration of 'Gender friendly goat feeding System'	ICAR-CIWA	30 May 2024	30	Dr. B. Sahoo
3.	Training on 'Nutrient management in organic production of fruits and vegetables'	Champapedi , Nayagarh	10 June 2024	50	Dr. Ankita Sahu Dr. L. P. Sahoo

S. No.	Programme	Location	Duration	No. of participants	Coordinator/Team
4.	Training Programme on 'Integrated Pest management and use of bio-fertilizers'	Sriramchandrapur, Satyabadi, Puri	20 June 2024	60	Dr. Tanuja S Dr. Tania Seth
5.	Training program on 'Women Empowerment in Livestock Index (WELI) Survey training'	ICAR-CIWA	24 June 2024 to 4 July 2024	19	Dr. A. K. Panda Dr. Arpita Mohapatra



Demonstration of Panchagavya preparation

B. Exposure Visits

S. No.	Programme	Duration	No. of participants	Coordinator/Team
1	Exposure of students from Uttar Banga Krishi Viswa Vidyalaya, West Bengal	15 Apr 2024	97	Dr. Sabita Mishra
2	Exposure visit of students and faculty members from Sant Kabir College of Agriculture and Research Station, Kawardha (Kabirdham), Chhattisgarh	26 June 2024	78	Arpita Mohapatra Ankita Sahu S.K. Behera

TRADEMARK

“TechCIWA” registered under class 7, 8, 9, 24 & 30 and Trademark for ICAR-CIWA logo was also achieved under class 42.

Sl. No.	Title	Trademark No.	Class	Registered on
1.	TechCIWA	6254348	7	16-06-2024
		6254349	8	15-06-2024
		6254652	9	17-06-2024
		6254653	24	16-06-2024
		6254654	30	15-06-2024
2.	Trademark for ICAR-CIWA logo	6266169	42	15-09-2024

IP
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ब्रह्म अंश - 2
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फॉर्म नं. 373004

भारत निधि विभाग, नया दिल्ली Trade Marks Registry, Government Of India
भारत निधि अधिनियम, 1999 Trade Marks Act, 1999
भारत निधि के रजिस्ट्रेशन का प्रमाणपत्र | Certificate of Registration of Trade Mark
(खंड 23 (1), नियम 56 (1) (b) (i) (Section 23 (1), Rule 56 (1))

भारत निधि संख्या / Trade Mark No. : 6205169
दिनांक / Date : 19-01-2024
अ. संख्या / J. No. : 2190

प्रमाणित किया जाता है कि निम्नलिखित / निम्नलिखित प्रमाणित करने पर संभव है, यह
के नाम से वर्ग में
संख्या के अंतर्गत प्रमाणित
के संदर्भ में रजिस्ट्रेशन किया गया है।

Certified that Trade Mark / a representation is associated herewith, has been registered in the
name(s) of > Indian Council of Agricultural Research - Central Institute for Women in Agriculture
(ICAR-CIWA), Indian Council of Agricultural Research (ICAR) - Central Institute for Women in
Agriculture (CIWA), Plot No. 50-51, Muzas - Jalandhar, P.O. - Baramulla, Baramulla - 751003,
Odisha, India. An autonomous organization under the Department of Agriculture Research and
Education, Ministry of Agriculture & Farmers Welfare, Government of India, (Government Department)

In Class 42 Under No. 6205169 as of the date 19 January 2024 Inspected of

Goods and service as associated

Trade Mark as associated

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 19th day of September, 2024

भारत निधि रजिस्ट्रार
Trade Marks Registry, Mumbai
Registrar of Trademarks

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 19th day of September, 2024

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ब्रह्म अंश - 2
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फॉर्म नं. 367100

भारत निधि विभाग, नया दिल्ली Trade Marks Registry, Government Of India
भारत निधि अधिनियम, 1999 Trade Marks Act, 1999
भारत निधि के रजिस्ट्रेशन का प्रमाणपत्र | Certificate of Registration of Trade Mark
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दिनांक / Date : 10-01-2024
अ. संख्या / J. No. : 2140

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संख्या के अंतर्गत प्रमाणित
के संदर्भ में रजिस्ट्रेशन किया गया है।

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(ICAR-CIWA), Indian Council of Agricultural Research (ICAR) - Central Institute for Women in
Agriculture (CIWA), Plot No. 50-51, Muzas - Jalandhar, P.O. - Baramulla, Baramulla - 751003,
Odisha, India. An autonomous organization under the Department of Agriculture Research and
Education, Ministry of Agriculture & Farmers Welfare, Government of India, (Government Department)

In Class 7 Under No. 6254348 as of the date 10 January 2024 Inspected of

Goods and service as associated

TechCIWA

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 10th day of June, 2024

भारत निधि रजिस्ट्रार
Trade Marks Registry, Mumbai
Registrar of Trademarks

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 10th day of June, 2024

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Form BG - 2
फॉर्म नं. 363004

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भारत निधि अधिनियम, 1999 Trade Marks Act, 1999
भारत निधि के रजिस्ट्रेशन का प्रमाणपत्र | Certificate of Registration of Trade Mark
(खंड 23 (1), नियम 56 (1) (b) (i) (Section 23 (1), Rule 56 (1))

भारत निधि संख्या / Trade Mark No. : 6254349
दिनांक / Date : 10-01-2024
अ. संख्या / J. No. : 2140

प्रमाणित किया जाता है कि निम्नलिखित / निम्नलिखित प्रमाणित करने पर संभव है, यह
के नाम से वर्ग में
संख्या के अंतर्गत प्रमाणित
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Agriculture (CIWA), Plot No. 50-51, Muzas - Jalandhar, P.O. - Baramulla, Baramulla - 751003,
Odisha, India. An autonomous organization under the Department of Agriculture Research and
Education, Ministry of Agriculture & Farmers Welfare, Government of India, (Government Department)

In Class 8 Under No. 6254349 as of the date 10 January 2024 Inspected of

Hand tools and implements, hand-operated, cutting, saws, except chainsaws, axes.

TechCIWA

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 19th day of June, 2024

भारत निधि रजिस्ट्रार
Trade Marks Registry, Mumbai
Registrar of Trademarks

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 19th day of June, 2024

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भारत निधि विभाग, नया दिल्ली Trade Marks Registry, Government Of India
भारत निधि अधिनियम, 1999 Trade Marks Act, 1999
भारत निधि के रजिस्ट्रेशन का प्रमाणपत्र | Certificate of Registration of Trade Mark
(खंड 23 (1), नियम 56 (1) (b) (i) (Section 23 (1), Rule 56 (1))

भारत निधि संख्या / Trade Mark No. : 6254052
दिनांक / Date : 10-01-2024
अ. संख्या / J. No. : 2141

प्रमाणित किया जाता है कि निम्नलिखित / निम्नलिखित प्रमाणित करने पर संभव है, यह
के नाम से वर्ग में
संख्या के अंतर्गत प्रमाणित
के संदर्भ में रजिस्ट्रेशन किया गया है।

Certified that Trade Mark / a representation is associated herewith, has been registered in the
name(s) of > Indian Council of Agricultural Research - Central Institute for Women in Agriculture
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Agriculture (CIWA), Plot No. 50-51, Muzas - Jalandhar, P.O. - Baramulla, Baramulla - 751003,
Odisha, India. An autonomous organization under the Department of Agriculture Research and
Education, Ministry of Agriculture & Farmers Welfare, Government of India, (Government Department)

In Class 9 Under No. 6254052 as of the date 10 January 2024 Inspected of

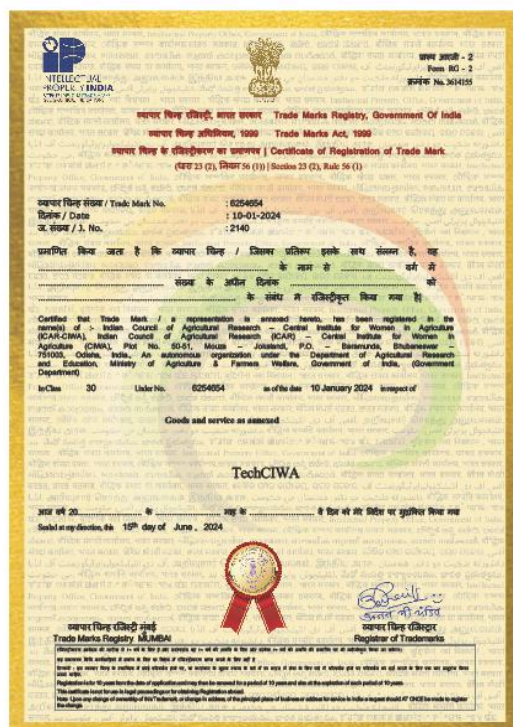
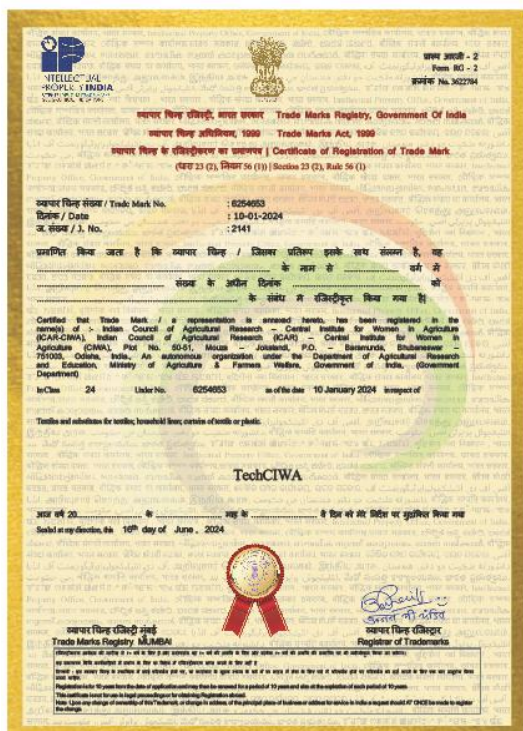
Goods and service as associated

TechCIWA

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 17th day of June, 2024

भारत निधि रजिस्ट्रार
Trade Marks Registry, Mumbai
Registrar of Trademarks

अंतर वर्ष 20 के नाम से है जिस से मेरे हितों पर प्रभावित किया गया
Subst. as my direction, the 17th day of June, 2024



RADIO TALKS /TV TALKS

- Dr. A. K. Panda and Dr. Sabita Mishra expert: As an Expert, participated in 'Pallishree programme on 'Mahila Krushi Utpadaka Gosthi' of Door Darshan Kendra, Bhubaneswar on 14 May 2024.
- Dr. Sabita Mishra delivered a talk on 'Mahumachhi palan Dwara Krushirata Mahila Manankara Bikash' in 'Krushi Sansar' programme through All India Radio, Cuttack on 20 May 2024.
- Dr. S. K. Sarangi delivered a talk on 'Kharif Crop Cultivation in Salt-Affected Region' in through All India Radio, Kolkata on 24 June 2024.

Invited Lectures

- Dr. Lipi Das delivered a lecture on 'Agricultural Innovations and Strategic Approach for Gender Mainstreaming in Agriculture' during the online training programme on 'Gender Mainstreaming in Agriculture' organized by Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar and MANAGE, Hyderabad on 10 June 2024.

PUBLICATIONS

A. Research Papers

1. Agarwal R.C., Das L., Jain R., Kishore P., Nikam V.R. and Mridula D. (2023). Nutri-garden for nutritional security and diversity: Some insights from POSHAN Abhiyan. *Agricultural Economics Research Review*. 36(2): 227-235. DOI: 10.5958/0974-0279.2023.00035.6.
2. Sarangi, S.K., Mainuddin, M., Bell. R.W., Digar, S., Mahanta, K.K., Burman, D., Mandal, U.K. and Mandal, S. 2024. Low-cost pitcher irrigation system with paddy straw mulching for growing vegetables in coastal saline soils. *Journal of Indian Society of Coastal Agricultural Research* 42(1): <https://doi.org/10.54894/JISCAR.42.1.2024.145214>.
3. Kishore K., Sahu A. and Jha P. (2024). Unfolding the nutritional and health benefits of dragon fruit (*Selenicereus* spp.): A review. *International Journal of Innovative Horticulture* .13(1): 26-39.
4. Panda, A.K., Sahoo, B. and Kumar, A. 2024. Effect of low protein diets on production performance, egg quality and serum biochemical parameters of Gramapriya laying hens. *Animal Nutrition and Feed Technology*. 24: 269-276.
5. Mahapatra S., Saha A., Das Lipi and Hemrom, A.C. 2024 Occupational stress of tribal women engaged in agricultural activities in Kandhamal district of Odisha. *Journal of Community Mobilization and Sustainable Development*. 19(2): 1-7.
6. Mridula D., R.K. Vishwakarma, Simran Arora, Manju Bala, Sachidananda Swain (2024). Formulation and characterization of novel cereal gluten-free pasta from semi-popped makhana, water chestnut, and potato. *Food and Bioprocess Technology*. DOI 10.1007/s11947-024-03349-5.
7. Guru PN, Mridula D., Vishwakarma Rajesh Kumar (2023). Lesser grain borer, *Rhyzopertha dominica* infests speciality food crop Makhana, *Euryale ferox* in India. *International Journal of Pest Management*. doi.org/10.1080/09670874.2024.2334229 published on April 9, 2024.
8. Sharma Kalyani, Patel S, Jha SN, Devi Mridula, Shiv Nandan, Vishwakarma RK (2024). Aging-induced changes in popping, structural, functional, thermal, and crystalline properties of roasted makhana seeds. *Food and Bioprocess Technology* doi.org/10.1007/s11947-024-03428-7.

B. Chapters in Book/ Compendium/ Training Manual/ Souvenir/ Proceedings

1. Sarangi, S.K., Burman, D., Krishnamurthy, S.L. and Singh, R.K. (2024) Genetic and agronomic approaches for higher rice productivity in Sundarbans delta region. In: Genetic Improvement of Rice for Salt Tolerance. Springer Nature. ISBN: 978-981-99-3829-2. Pp. 111-128. https://doi.org/10.1007/978-981-99-3830-8_7.
2. Sahoo. B., Mahanta R, Mohapatra A, Panda A.K. and Kumar Anil. 2024. Changing role of

small ruminants for enhancing livelihood security in the present climatic change scenario in recent trends in sustainable livestock and crop production technologies vis-à-vis climate change. Published by ICAR-Indian Grassland and Fodder Research Institute, Jhansi (U.P.) and NADCL. Dilpreet Publishers & Distributors, New Delhi, 163-172.

3. Das L. 2024. Augmenting nutritional security through gender inclusive nutri-sensitive

agriculture. In: e-Book on 'Use of ICTs in strengthening Nutrition Sensitive Agriculture Capacities of Scientists. Published by MANAGE, Hyderabad and GBPUA&T, Pantnagar.

4. Kishore K. and Sahu A. (2024). Composition and uses. In: Dragon fruit Botany, Production and Uses. (ed.) Sisir Mitra. *CAB International*. pp. 16-30.

C.Popular Articles/ E-publications

1. Tanuja S. and Sahoo P.R. 2024. Women agripreneurship in India: Need and Scope. *Vigyan Varta*. 5(4): 151-155. (Article in E-magazine)
2. Mhatre C.S and Pati M. 2024. Mechanization of millet production and reduction in drudgery. *Krishisewa* 1-3.
3. Das L., Mishra S.K. and Mahapatra S. 2024. Participatory research: A tool for generating acceptable technologies for women farmers. *Vigyan Varta*. 5(4): 269-274. (Article in E-magazine)
4. Mishra S., Sarkar A., Behera B.C. and Sarangi D.N. (2024) Enriching life and livelihood of farm women. *Vigyan Varta*. 5(4): 196-199.
5. Mishra S., Jakhar P., Swain S. and Kumar N. (2024) Empowering farm women through climate smart agricultural technology: A case study in Keonjhar, Odisha. *Krishi Netra* (E-Magazine). 2: 5-7.
6. Mishra S. and Behera B.C. (2024) Why World Bee Day. *Bhokila Peta* (Weekly Newspaper). 11(13): 3.
7. Mohanty L., Nayak J. and Saha G. (2024) Khadi Industry in India. *Vigyan Varta*. 5(4): 4-47.
8. Panda, A.K. and Sahoo, B. (2024) Alleviating heat stress through nutritional approaches in poultry. *Vigyan Varta* 5(5): 340-343.
9. Mishra S., Sarkar A., Behera B.C. and Sarangi D.N. (2024) FPO in farm women's livelihood: A case study. *Bhokila Peta* (Weekly Newspaper). 11(15): 3.
10. Behera B.C. and Mishra S. (2024) କୃଷି ମହିଳାଙ୍କ ଜୀବନ ଓ ଜୀବିକାର ସମୃଦ୍ଧି (*Krusha Mahilanka Jiban O' Jibikara Samrudhi*). *Palli Tharu Delhi*. 9(45): 6.
11. Behera B.C. and Mishra S. (2024) ଘୋଷକଗୁଣାଏବଂସ୍ବାଦିଷ୍ଟଖାଦ୍ୟରୁପେସବୁଜସାଗରବ୍ୟବହାର (*Poshaka Guna Ebam Swadist Khadya Rupe Sabuj Sagar Byabahar*). *Palli Tharu Delhi*. 9(50): 2.
12. Nayak J., Mohanty L., Saha G. and Panda A. K. 2024. Homestead nutritional garden for nutrition security for farm families. *Sabujeema- An International Multidisciplinary e-Magazine*. 4(6): 50-54.
13. Sahoo L.P., Jeeva J.C., Sasmal S., Sahu A., Seth T., Sahoo U. (2024). जनजातीय महिलाओं की गुणवत्तापूर्ण बीज की जरूरतों को पूरा कैसे करे? *Krishisewa*. 1-7. (E-publication)

AWARDS/ ACHIEVEMENTS/ RECOGNITIONS

- Dr. Mridula Devi has been elected a 'Fellow' of the National Academy of Agricultural Sciences' from 1st January 2024 by the National Academy of Agricultural Sciences, New Delhi.
- Dr. S. K. Sarangi Nominated as one of the Editors of Indian Journal of Agronomy for the year 2024 and 2025 by Indian Society of Agronomy, Division of Agronomy, ICAR-IARI, Pusa, New Delhi.



Dr. Mridula Devi, Director, ICAR-CIWA was conferred with NAAS Fellow

ICAR-CIWA IN NEWS

नई दिल्ली, मंगलवार 11 जून 2024 द न्यूज फिफ्टीन 05

महिलाओं को कृषि की मुख्य धारा से जोड़ने की जरूरत : डा मयंक राय

लैंगिक समानता से भारत के जीडीपी में 64 लाख करोड़ की वृद्धि संभव

सुभाष चंद्र कुमार
समस्तीपुर पुरा। राष्ट्रीय कृषि विस्तार प्रबंधन संस्थान (मैनज), हैदराबाद (कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार) के सहयोग से डॉ. राजेंद्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पुसा, बिहार द्वारा 3 दिवसीय राष्ट्रीय स्तरीय प्रशिक्षण (वर्चुअल मोड) कार्यक्रम का आयोजन/सुभाष कृषि को लैंगिक मुख्य धारा से जोड़ने (10-12 जून, 2024) विषय पर किया गया। कार्यक्रम का सुभाष करत हुए कृषि स्वातंत्र्य महिलाविद्यालय के अधिष्ठाता, डा. मयंक राय ने कहा कि समय आ चुका है, महिलाओं को कृषि की मुख्य धारा से जोड़ने की जरूरत है। उन्होंने कहा कृषि विकास के लिए, 3 टक्क़ा, महिला, जल और सार्वजनिक का संयुक्त आवश्यक है। मैकिन्से कोल्बर्ग इन्स्टीट्यूट की एक रिपोर्ट को उद्धृत करते हुए उन्होंने कहा कि महिलाओं को समान अवसर प्रदान करके भारत

अन्वेषक, जलवायु अनुकूल कृषि कार्यक्रम ने लैंगिक सुखभाग में जलवायु स्मार्ट कृषि उद्यमों की भूमिका पर विस्तार से चर्चा की। प्रशिक्षण कार्यक्रम में 23 राज्य, 95 विभिन्न संस्थानों के 190 प्रशिक्षणार्थी ने भाग लिए। कार्यक्रम का संचालन करते हुए डा. सुखानन्द प्रसाद लाल (काउन्सिलर) ने कहा कि जनसंख्या में 48% हिस्सेदारी के बावजूद संकलन घरेलू उत्पाद में महिलाओं का योगदान भारत में केवल 18% है, धन्यवाद ज्ञापन डा. सत्य प्रकाश (को-काउन्सिलर) ने किया।

डा. ललित दास प्रधान वैज्ञानिक एवं नोडल, अखिल भारतीय समन्वयक अनुसंधान परियोजना-कृषि में महिलाएं, नोडल ऑफिसर आईसीआर-ललित, पुर्वेक्षक ने कृषि में नवचार पर प्रकाश डाला। डा. रविश कुमार झा, प्रमुख

तीन दिनों राष्ट्रीय प्रशिक्षण कार्यक्रम का हुआ समापन

‘वित्तीय साक्षरता सेही महिलाओं का सशक्तीकरण’

कृषि विषय में अभिरक्षण के दौरान संबोधित करते थेमयंक राय। • सुखानन्द

समस्तीपुर पुरा। मयंक राय ने कहा कि समय आ चुका है, जल विद्यमानों को कृषि की मुख्यधारा से जोड़कर विकास की गति को जल। मैकिन्से, हैदराबाद के एक प्रतिष्ठित डॉ. विभिन्न कुम्भों के लिए संकेती अवसरों और रईसों को जोड़ने पर बात कही।

केन्द्रीय विद्यालय और प्रौद्योगिकी विभाग की सहकारिता पर सुखानन्द डॉ. विभिन्न समर्थन में ‘लैंगिक-मूल्य और रईसों की सशक्तता’ विषय पर व्याख्यान देते हुए कहा कि प्रौद्योगिकी विकास के पीछे जल की सशक्त महिलाओं के सार्वजनिक जल और सार्वजनिक को ध्यान में रखा जल चाहिए। राष्ट्रीय टैली अनुसंधान संकाय, सार्वजनिक की सशक्त प्रशिक्षण डॉ. सशक्त सशक्त में कहा कि सशक्त सशक्त के सार्वजनिक सशक्त सशक्त में 30 प्रशिक्षण सशक्त सशक्त है। इस पर सशक्त सशक्त है।



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Published by
Director
ICAR-Central Institute for Women in Agriculture
(ISO 9001:2015 Certified)
P.O. – Baramunda, Bhubaneswar – 751003, Odisha, India
<http://www.icar-ciwa.org.in>
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