

ICAR CIWA

NEWS

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

From the Director's Desk

ICAR-Central Institute for Women in Agriculture endeavours to promote meaningful techno-socio-economic development for women in agriculture and its allied sectors. Through cutting-edge research, capacity-building initiatives and policy support, the Institute seeks to empower women by expanding their access to modern agricultural technologies and resources. The significant research highlights for the period include evaluation of Odisha Govt. schemes in animal husbandry sector, livelihood vulnerability of livestock farmers, women's empowerment with respect to decision making by adopting GRIHA model and gender-based constraints in organic farming of horticultural crops.

During this quarter, one design registration of pedal operated coconut dehusker and one copy right of sustainable she-preneurship in mushroom cultivation model was obtained by the Institute. The Institute organized 3rd International Conference on 'Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024) in collaboration with Pragati International Scientific Research Foundation to generate insights and promote collaborative strategies to enhance the resilience and gender equity of agricultural systems, contribute valuable perspectives and shaping the trajectory of sustainable agriculture globally.

As a part of other events, the Institute celebrated the Rashtriya Mahila Kisan Diwas, World Food Day, Agricultural Education Day, Women in Agriculture Day and World Soil Day. Several other programmes such as Scientist-Stakeholder Interface Meet, organized two 3-days residential CBP sponsored by NCW, New Delhi and BIRD, Lucknow and student internship programme were also conducted successfully during this period.

The Institute actively participated in a number of government initiatives, including as the Swachh Bharat Abhiyan and the Scheduled Castes Sub-Plan (SCSP). During this quarter, 13 women led Custom Hiring Centres were established under SCSP in Puri, Khordha, Bhadrak and Baleswar district of Odisha.

Presenting this edition of the Quarterly Newsletter brings me great pleasure and I want to express my sincere gratitude to all of our contributors and partners for their outstanding collaboration and efforts. This edition demonstrates the outstanding progress we have made together by highlighting our ongoing projects and group accomplishments. We are excited to carry on with this trip and celebrate many more victories down the road.



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(Mridula Devi)

RESEARCH HIGHLIGHTS

Evaluation of Odisha Govt. Schemes in Animal Husbandry sector (B. Sahoo)

The *Mukshya Mantri Krishi Udyog Yojana* (MKUY), Govt. of Odisha enrolled 1912 beneficiaries in animal husbandry sector (2019-24). Feedback from respondents revealed that female headed family (9.63%), female ownership on house (4.12%), female ownership/ scheme holder on Livestock resources/scheme (60.1%) and majority of beneficiaries access information mainly from officials of veterinary department (46.78 %). Under MKUY, goatery (100+5), poultry, dairy (20-30 cows), shippery (100+5) etc., were prioritized for women and 10 percent additional subsidy was provided to women. In animal husbandry sector, about 57% of women were found to be enrolled in MKUY schemes. The women farmers were found to be highest in goatery sector (79.23%) followed by poultry (62.5%), buffalo (36%) and in piggery (30%) and duckery (30%). The feedback collected through structured questionnaire from beneficiaries enrolled in state schemes of animal husbandry, Govt. of Odisha (2019-2024) revealed that female ownership scheme was 90.5%. The female: male

ratio in various schemes in state schemes implemented by Govt. of Odisha showed poultry sector (62.5: 37.5); goatery sector (79.2: 20.8); piggery sector (30: 70); buffalo sector (36.1: 63.9). It was also observed that the ownership of schemes availed by women was gradually increased from 2022 to 2024 in various districts of Odisha (graph) showing awareness and women empowerment. In Animal husbandry sector, Govt. of Odisha, it was observed that female headed family (10.84%) was more than female ownership on house (6.6 %) and female ownership on cultivated land (6.6%). Major constraints faced by women for engaging them in livestock farming as decision making (10.84%), access to credit (8.4%), family burden (25.47%), social prohibition (9.90%) and marketing by farm women (29.71%). Efforts are being made to ensure equal rights for women in availing benefits of schemes. However, skill based training with proper follow up plan by field functionaries need to be prioritized for effective implementation of schemes.

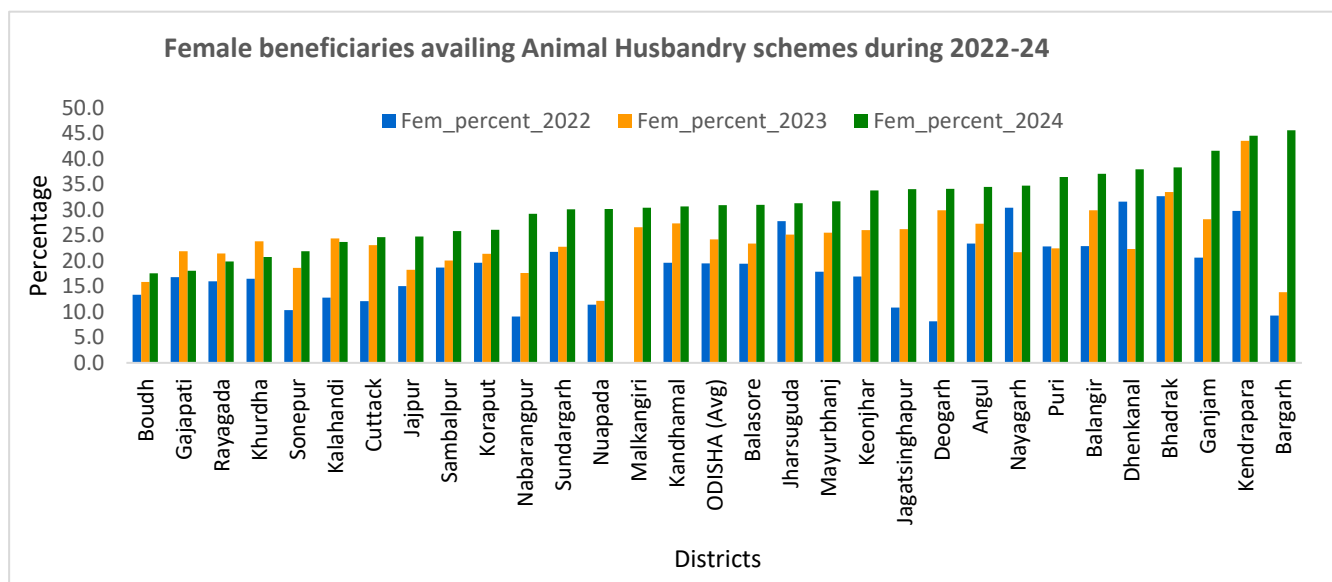


Figure 1: Female beneficiaries availing Govt. schemes in Animal husbandry sector in Odisha (2022-24)

Vulnerability of Livestock Based Livelihood to Climate Change: Insights from Climate Distress States of India

(Arun Kumar Panda and Arpita Mohapatra)

The vulnerability of livestock-based livelihoods to climate change is a pressing issue for millions of people who rely on livestock farming for food, income and cultural practices. Climate change, through rising temperatures, altered precipitation patterns and extreme weather events, has significant impacts on livestock health, productivity and survival. Heat stress, water scarcity, droughts, floods and the spread of diseases exacerbate the challenges faced by livestock farmers, particularly for women who already have resource constraint. These climatic changes can lead to reduced feed availability, increased operational costs, and market disruptions, further threatening the economic viability of livestock farming. Hence the study investigated the livelihood vulnerability of livestock farmers from six livestock dense and

climate distress villages across India (from one vulnerable district of climate distress states- Rajasthan for drought, Bihar for flood, Odisha for cyclone) that were exposed to frequent natural disasters. A survey of households was conducted in the 100 women farmers from each village to collect data on the region's socio-demographic profile, livelihood systems, social networks, health status, food and water security, livestock health, shelter and feed, exposure to climate distress, and climate variability. Data were aggregated using a livelihood vulnerability index, which has 3 major contributors (Exposure, Adaptive Capacity and Sensitivity). The result showed that Livestock Farmer's Livelihood Vulnerability Index (LLVI) was highest in study area of Bihar (0.538) whereas minimum in study area of Odisha (0.426).

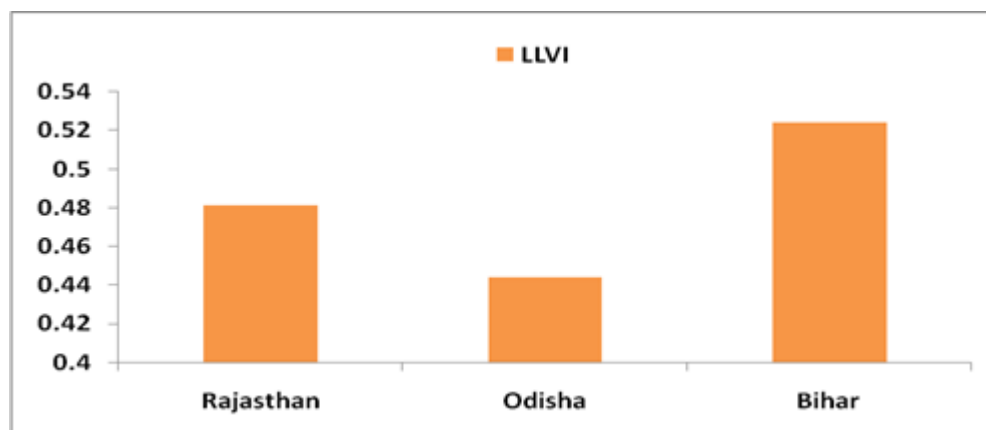


Figure 2: Livestock Farmer's Livelihood Vulnerability Index (LLVI) for study areas in climate distress areas of India

The contributing factors for livestock farmer's livelihood vulnerability index to climate change for different climate distress areas were different. The higher exposure to natural disaster (flood), poor socio-demographic status and poor social-network cumulatively increases the Livestock

farmer's vulnerability to climate distress. The findings from this study are anticipated to assist local governments in developing climate smart adaptation strategies to strengthen livestock farmers' ability to cope with natural disasters like flood, cyclone, drought etc. in the study area

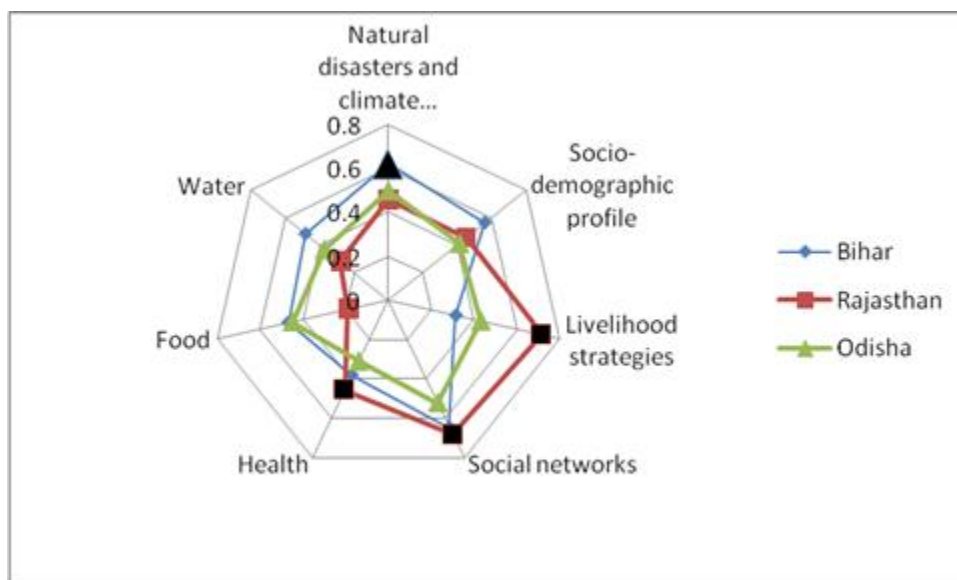


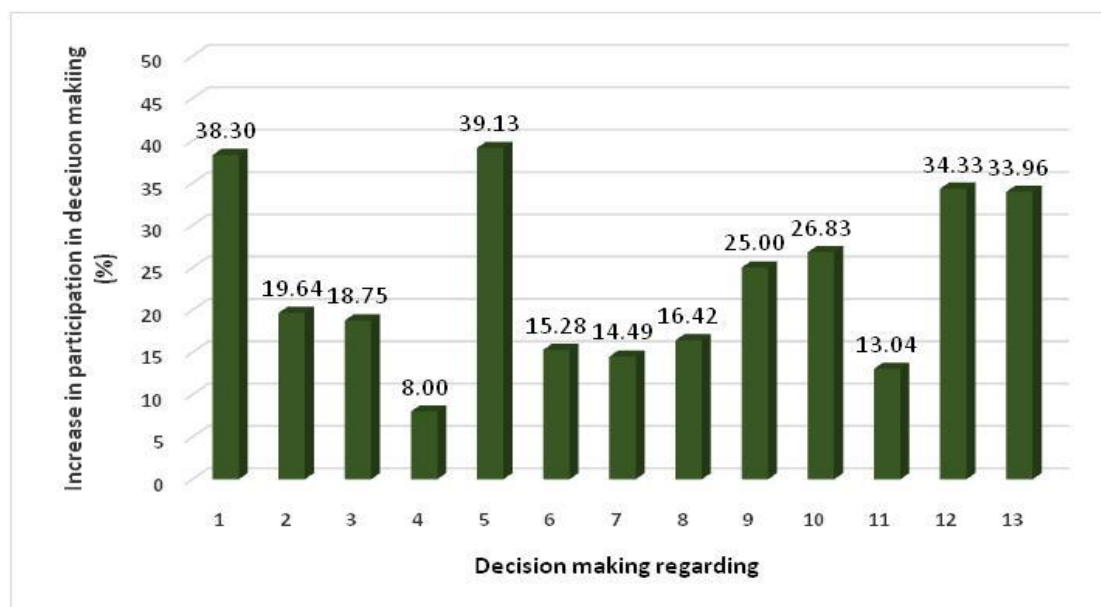
Figure 3: Compositional analysis of LLVI for climate distress areas of India

Women's empowerment with respect to decision making by adopting GRIHA model

(Tanuja S., Lipi Das, Ananta Sarkar and Tania Seth)

The empowerment of women with respect to decision making by adopting GRIHA model was assessed (n=58). With the participation in gender inclusive climate resilient homestead aqua-horticulture, there has been a 39% increase in the participation in decision making of women farmers regarding how much of their farm produce is to be retained for home consumption or sale. The increase in decision making power will eventually help to transform the power relations in the family and society. This will aid in recognition of the

contribution that women makes towards nutritional security and livelihood of their families. The increased participation in decision making regarding education and health of family members (34%) suggests the increasing recognition of women's contribution. The evident increase in the women's participation in decision making regarding growing fish and vegetables indicate the confidence they have gained through the skill training and capacity building activities.



- 1) What, when, where and how to grow fish and vegetables
- 2) Purchase of critical farm inputs
- 3) Availing credit facilities or subsidies
- 4) Decisions on how to invest the loan amount
- 5) How much produce to retain for home consumption or sale
- 6) When, where, at what price to sell the produce

- 7) Kind of food items to be purchased, furniture, land
- 8) How to spent money earned from farm or main income-generating activity
- 9) Purchase and sale of livestock and poultry
- 10) Travel outside the community for visiting relatives or occupational purposes?
- 11) Participate in community activities
- 12) Education of children
- 13) Regarding health of family members

Figure 4: Impact of GRIHA model on participation of women farmers in decision making (N=58)

Gender-based constraints in organic farming of horticultural crops

(Ankita Sahu, Lipi Das and Laxmipriya Sahoo)

The gender-based responses towards constraints in organic farming of horticultural crops were assessed in six aspects viz., Physical constraints, Cultural constraints, Social constraints, Economic constraints, Institutional constraints and Technological constraints. In terms of physical constraints, the responses of farm women and men were significant towards factors like land constraints (Z score = 16.47*), limited post-harvest infrastructure, climate risk, high level of

drudgery (Z score = 16.48*). For cultural constraints, gender differences were evident in factors such as declining crop diversification, mixed farming, indigenous technical knowledge and local varieties. Social constraints revealed significant difference in response of farm women and men in factors like gender disparities in access to land and agri-resources (Z score = 13.92*), poor social coherence affecting mass adoption of organic farming, inadequate social contacts and

networks for input and market access (Z score = 12.45*). Economic constraints, showed significant difference in responses related to insufficient funds for initiating production, limited availability of credit and financial services (Z score = 15.74*), higher input cost and long conversion period for profit realization. In institutional constraints, significant difference existed in response of farm women and men towards factor such as challenges in obtaining credit or bank loans (Z score = 11.55*), inadequate extension services, issues in the supply chain, limitation in availing agricultural subsidies, weak farmer cooperatives. Technological constraints were most pronounced in the production of organic planting materials and authentic agri-inputs (Z

score = 4.94*), significant gender difference existed in constraints in nutrient management of crop and in post-harvest handling, processing, and storage of horticultural crops. For reducing the dimensionality in the data set and in interpreting the trend, principal component analysis was employed which indicated predominate constraints as quality input availability, issues in the supply chain, higher input cost, poor social coherence, post-harvest management constraints, constraints in production of organic planting material and authentic agri-inputs. These findings emphasize the need for gender-sensitive strategies to address the challenges and enhance the sustainability of organic farming in horticulture.

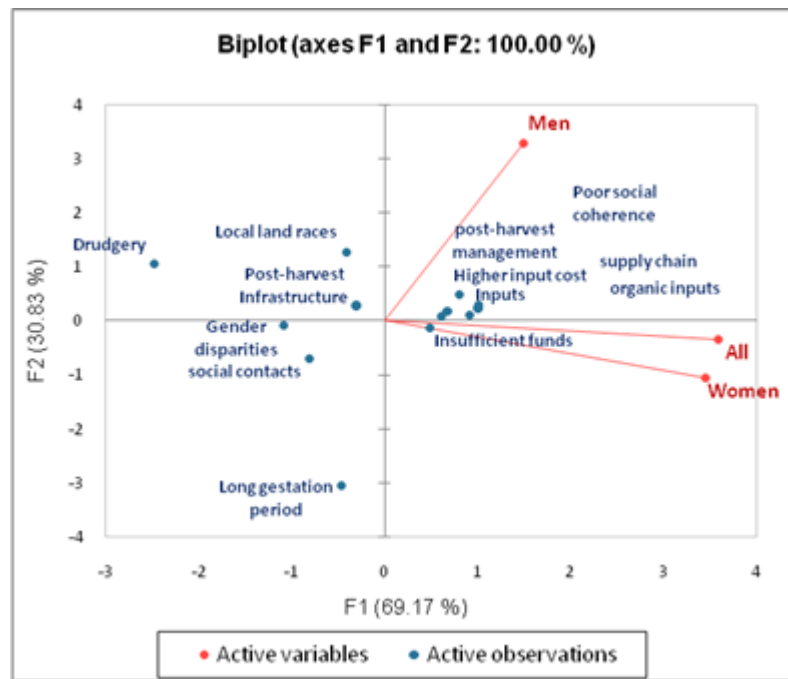


Figure 5: PCA Bi-plot indicating relationship among factors and respondents

ICAR-CIWA, Bhubaneswar Organized Scientist-Stakeholder Interface Meet

ICAR-Central Institute for Women in Agriculture, Bhubaneswar and International Livestock Research Institute (ILRI) have been working in five states including Odisha as part of the Gender-Livestock-Climate Analytic Approach (GLCCA) for livelihood improvement in distressed areas of India. A one day Multi Stakeholder Workshop was organized at ICAR-CIWA, Bhubaneswar on 9 October 2024 to validate the initial findings and deepen the understanding of the local system dynamics, to identify the major challenges and solutions, and to find the path for future intervention. Dr. Mridula Devi, Director, ICAR-CIWA, Bhubaneswar graced the occasion as Chief Guest and emphasized the role of gender equity in achieving sustainable, profitable, and productive animal husbandry. Director emphasized that development of women friendly technologies as well as their percolation to the stakeholders are the critical necessity for gender mainstreaming. She further advised the project team to explore the link between women's empowerment, livestock, and resilience to climate change in the context of gender dynamics and norms and to come out with gender responsive approaches to face the challenges of climate on livestock production. Dr. Arun Kumar Panda, Head, GF&CS Division and PI of the project, gave a brief background of the project and highlighted that Odisha was selected as one of the

natural disaster (Cyclone) prone state in this project. Women farmers from four villages of two coastal districts (Puri and Jagatsinghpur) of Odisha were studied for Livestock farmer's Livelihood Vulnerability Index (LLVI), Rural Household Survey (RHoMIS) and Women Empowerment on Livestock Index (WELI). These surveys highlighted the challenges faced by women livestock keepers during cyclone or any other natural calamities. Dr. Dipti Mohapatra, Additional Director, DAH&VS, Odisha shared her practical experiences to deal with the vagaries of natural calamities with women farmers and urged them to reap the benefits of various Govt. Schemes. Dr. Sushen Kumar Panda, Dean, Orissa Veterinary College, Bhubaneswar, informed that women are integral part of livestock production since ancient times, but the challenges faced by them due to climate shock need to be addressed urgently for suitability of livestock production. He also stressed to strengthen the coping mechanism to alleviate the adverse effects of climate on livestock welfare. In this program, detailed deliberation was made involving the farm women, veterinary officers, officials from line departments, NGOs and FPOs, and experts to prioritize the challenges faced by the women livestock keepers in lieu of climate change, suitable solutions, and to find the path for future interventions.



Celebration of Rashtriya Mahila Kisan Diwas

Rashtriya Mahila Kisan Diwas was celebrated on 15 October 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar to honour the significant contributions of farmwomen in agriculture. The event commenced with an address by Dr. Mridula Devi, Director of ICAR-CIWA, emphasized the importance of the day and the institute's role in empowering women in the agricultural sector. She highlighted the work participation and contribution of farm women to Indian agriculture and ICAR-CIWA's initiatives in popularising gender responsive climate resilient agriculture. Dr. Bimlesh Mann, Assistant Director General (EP&HS) of ICAR, joined virtually as the Guest of Honour. In her address, she commended farmwomen for their vital contributions to agricultural production and value addition, stressing the need for gender equity to achieve sustainable agricultural development. Dr. Deepti Mohapatra, Additional Director of Animal Husbandry & Veterinary Services in Odisha, also attended as a Guest of Honour. She shared her experiences, highlighting the challenges faced by women, their dedication in overcoming these obstacles and the opportunities that exist for them through various Government schemes and programmes. The Chief Guest, Prof. Sabita Acharya, Hon'ble Vice Chancellor of Utkal University, Bhubaneswar emphasized the importance of reducing the gender gap for realizing empowerment of women farmers. She

advocated for climate-smart agricultural practices to combat the adverse effects of climate change and encouraged women to lead community mobilization efforts in adopting organic farming for sustainable agriculture. Prof. Acharya also praised ICAR-CIWA's efforts in developing women friendly technologies and models thus fostering women agri-preneurship in the country. During the event, ten progressive women farmers who have made significant strides in agriculture and allied sectors were recognized with awards. The program included a Farmers'-Scientists interaction, where participants were updated on sustainable agriculture techniques, crop varieties, and farm management strategies. Three Memorandums of Agreement were signed with Women Farmer Producer Organizations for technical support and with Women Farmer Interest Groups for establishment of Women-led Custom Hiring Centers. Demonstration on women friendly technologies was also organised for the benefit of the farmers. During the programme a National level awareness campaign on accidents due to farm machine was also conducted. A lecture on Safety and comfort of farm women in agriculture and allied sectors was delivered by Dr. S. K. Mohanty, Professor (Retd.), OUAT, Bhubaneswar. The celebration brought together over 200 farmwomen from institute-adopted villages, providing them a platform to share their achievements and experiences.





Celebration of World Food Day

ICAR-CIWA celebrated World Food Day on 16 October 2024 at the Institute. This year the main theme of the day is 'Right to Food for a Better Life and a Better Future'. The farmwomen were sensitized about the fundamental human right to access sufficient, safe, and nutritious food to lead a healthy and active life. Investing in sustainable farming practices ensures that food production

meets the needs of the present without compromising future generations. Climate change poses a significant threat to food security. Information about sustainable practices to mitigate adverse environmental impact for ensuring food availability and accessibility in the future was also shared among the farmwomen. About 150 farm women participated in the event



3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)”

The 3rd International Conference on ‘Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)’ was inaugurated on 6 November 2024 by Dr. R.C. Agrawal, Hon'ble Dy. Director General, (Agriculture Education), Indian Council of Agricultural Research, New Delhi as Chief Guest. Dr. R.C. Agrawal, in his inaugural speech stressed upon for the vital contributions of women farmers in agricultural production and value addition. He also stated the need for gender equity to achieve sustainable agricultural development. He stressed that the participation of girl students in agricultural education is increasing rapidly. He pointed out that women farmers are the main conservators of biodiversity, therefore, they should be recognized and rewarded for this. Dr. Praveen Kumar Singh, Hon'ble Agriculture Commissioner Department of Agriculture & Farmers Welfare, New Delhi wished that this conference will provide a platform to achieve sustainable development goals by addressing the several challenges and institutional bottlenecks. Dr. P. K. Roul, Hon'ble Vice-Chancellor, Odisha University of Agriculture & Technology, Bhubaneswar highlighted the importance of diverse nutrient-rich food to meet the increasing demand of burgeoning population and advocated the need of climate-smart agricultural practices to combat the adverse effects of climate change for sustainable agriculture. Dr. Gaya Prasad, Former Vice Chancellor, Sardar Vallabhbhai Patel University of Agriculture &

Technology, Meerut and Chairperson of this conference emphasized on the challenges of Agri-food system and role of the women farmers in Indian agriculture. He also emphasized the need to address gender issues in agriculture and allied sectors for adaptation to climate change at regional, national, and global scales. Dr. Mridula Devi, Director of ICAR-CIWA & Chief Organizing Secretary, emphasized the importance of the conference in achieving sustainable gender-equitable agriculture. She also highlighted the role of ICAR-CIWA in empowering women in the agricultural sector. Dr. K.P. Singh, ADG (Farm Engineering) stressed the importance of agricultural mechanization for smallholder farmers and the need for the development of gender-neutral farm machineries.

This Conference aspires to generate insights and promote collaborative strategies to enhance the resilience and gender equity of agricultural systems, contribute valuable perspectives and shaping the trajectory of sustainable agriculture globally. About 300 delegates from across India and abroad are participating in this conference in different technical sessions. This conference provides a platform for interdisciplinary dialogue on critical issues shaping the future of agriculture by exploring sustainable practices and challenges. This academic gathering is poised to contribute valuable perspectives, promote collaborative strategies to enhance the resilience and gender equity of agricultural systems, shaping the trajectory of sustainable agriculture globally





ICAR-CIWA, Bhubaneswar & BIRD, Lucknow organized 3-days residential training programme on ‘Environmental and Social Impact Assessment (ESIA) & Gender Mainstreaming in Development Projects’

A three-days residential training programme, sponsored by the Bankers Institute of Rural Development (BIRD), Lucknow (Uttar Pradesh) was organized jointly by the ICAR-Central Institute for Women in Agriculture (CIWA), Bhubaneswar and the Centre for Climate Change, BIRD, Lucknow during 27-29 November 2024. The main theme of the training was ‘Environmental and Social Impact Assessment (ESIA) and Gender Mainstreaming in Development Projects’. The aim of the programme was to familiarize participants with various R&D-oriented initiatives for women’s empowerment undertaken by ICAR-CIWA and to equip them with the skills to assess and analyze the impact of developmental projects which are both environmentally sustainable and socially inclusive. About 33 participants from different states such as Uttar Pradesh, Uttarakhand, Jharkhand, Rajasthan, Haryana, Gujarat and Odisha participated in this training. This training emphasized the integration of gender issues while conceptualizing or in

developing new projects. Technical sessions were based on tools and methods in ESIA, overview of environmental and social safeguard framework & performance standards which were coordinated by Dr Snehal M Bansod and Dr Rajni Pandey, Programme Directors, BIRD, Lucknow through participatory approach by group discussion, presentations etc. A Session on ‘Increasing role of Women in Agriculture: Challenges and Opportunities’ was delivered by Dr Mridula Devi, Hon’ble Director, ICAR-CIWA, Bhubaneswar. During the programme, visits were organised to the laboratories and farms of ICAR-CIWA, Krishi Vigyan Kendra, Puri and adopted village of ICAR-CIWA for gaining the practical insight and awareness about different women friendly technologies and farming system models. During the valedictory ceremony, the Chief General Manager NABARD Dr S.K. Mishra was the Chief Guest and AGM Dr Samir R Samantra, Guest of Honour graced the occasion and distributed the Certificates to the participants in the presence of



Celebration of Agricultural Education Day

ICAR-CIWA celebrated Agricultural education day on 3 December 2024 to commemorate the birth Anniversary of Dr. Rajendra Prasad, the first President of Independent India and the first Union Minister of Agriculture. The event aimed to raise awareness among school children and youth about the vital role of agriculture in the nation's economic and social development. The programme was organized at Government Girls High School, Unit 8, Bhubaneswar. The programme witnessed enthusiastic participation of 55 girl students and faculty members. The initiative focused on inspiring young minds to explore agriculture as a promising career option by introducing them to various professional opportunities available in the field. Students were informed about ICAR

Institutes and State Agricultural Universities across India that offer comprehensive education in agriculture and allied sciences. The event highlighted modern agricultural trends such as drone technology for precision farming, hydroponic systems for soil-less cultivation, organic farming for sustainable agriculture, and biofloc systems for innovative aquaculture practices. It also emphasized the significance of balanced nutrition and food security, educating the students on the role of millets as "superfoods" and the benefits of nutri-gardens in promoting dietary diversity and health. The students gained valuable insights into the potential of agriculture through discussions and interactions.





Celebration of Women in Agriculture Day

ICAR-CIWA, Bhubaneswar celebrated 'Women in Agriculture Day' on 4 December 2024 at Srirampur village under Balipatana block of Khordha District, Odisha. The day was embarked by various activities with farm women, aimed at recognizing the efforts of women farmers in the agricultural sector highlighting their essential roles in food security, sustainable farming practices, and rural development. With agriculture being the primary livelihood for most families in the area, the programme served as a reminder of the challenges women face in the field and their resilience in overcoming them. In this programme it was also discussed about the need for advanced technology, women-friendly tools which impact their day-to-day livelihoods by increasing the production and productivity. The programme was attended by Smt. Truptimayee Behera, Branch

Manager, Bank of India, Banamalipur; Panchayat Representative, Personnel from NGO, FPO, SHGs and other line departments and more than 100 women farmers. Two farm women Smt. Swarna Mallick and Smt. Sarmistha Barik shared their issues and experiences in the field of agriculture and allied sectors.

A sensitization programme on millet farming especially enhancing the production of millets and the preparation of various millet-based products to enrich family nutrition was also conducted. During the programme Ragi seeds of variety VL-Mandua 376; various women friendly tools viz., hand hoe, sickle, battery operated sprayers and dry land weeders; Nano Urea and Nano DAP, respectively were provided to women farmers by ICAR-CIWA to promote millet cultivation for better livelihood and family nutrition.



Celebration of World Soil Day

ICAR-Central Institute for Women in Agriculture, Bhubaneswar celebrated World Soil Day on 5 December 2024 with the theme 'Caring for Soils: Measure, Monitor, Manage'. On this occasion, the participants were sensitized about the relevance of celebrating the world soil day as well as the theme of the year. During this program, the participants were made aware about the importance of sustainable soil management practices such as minimum tillage, crop rotation, organic matter addition, cover cropping, soil health, soil sampling,

soil testing, water conservation, recycling of farm waste and their role in green house gases mitigation, improving soil fertility, carbon sequestration and contribution towards reducing the effect of climate change for sustainable agriculture production. A practical demonstration on soil sample collection, preparation of composite sample and the detail of soil sampling technique from was conducted at the experimental field of ICAR-CIWA. About 50 participants were participated in the program



24th Institute Research Council (IRC) Meeting

The 24th Institute Research Council (IRC) Meeting of ICAR-Central Institute for Women in Agriculture, Bhubaneswar was held on 5-7 December 2024 to review action taken on the proceedings of the 23rd IRC Meeting, the progress of ongoing and completed research projects for the period from April, 2024 to November, 2024 and discussion on new project proposals. Dr. Mridula Devi, Director & Chairman (IRC) in her inaugural remarks emphasized that the evaluation of research projects needs to be done by the PMC. Since divisions are created, the new research projects should be prepared as per the divisional mandate with a clear focus on addressing the issues of women in agriculture. The research projects need to be balanced with respect to both research and extension. She advised that new projects should be based on Institute's/ Council's/ National priorities

and focusing on women empowerment, natural farming, organic farming, gender sensitive nutrition, marketing challenges of women groups etc. RAC and QRT recommendations should be considered while formulating new projects and deliverable outputs. Institute should come out with status paper on crop specific issues of women and DATW should take a lead in this regard. The models generated by the institute should be refined critically and accurate depiction is needed. During this meeting, Dr. G. C. Acharya, Head and Principal Scientist (Horticulture), ICAR-CHES, Bhubaneswar, Dr. Zynudheen A. A., HOD (Quality Assurance and Management Division), ICAR-CIFT, Kochi, Kerala and Dr. Peyush Punia, Principal Scientist & OIC PME, ICAR-IIFSR, Meerut participated in the IRC meeting as external experts and gave their valuable suggestions.



ICAR-CIWA organized NCW sponsored CBP on ‘Gender Sensitive Nutri-smart Organic Agri-Practices and Digital Innovations for profitable Agri-preneurship’

ICAR-Central Institute for Women in Agriculture, Bhubaneswar organized National Commission for Women, New Delhi sponsored 3 days residential Capacity Building Program on ‘Gender Sensitive Nutri-smart Organic Agri-Practices and Digital Innovations for profitable Agri-preneurship’ during 9-11 December 2024. The training programme aimed to improving the skills of farmwomen for agri-entrepreneurship. It also focused on providing a complete guidance on value chain development in agriculture, strengthening women farmer’s institutions for women-led agri-enterprises. A total of 53 progressive women farmers & budding entrepreneurs from 11 districts of Odisha (Baleswar, Bhadrak, Boudh, Cuttack, Dhenkanal, Keonjhar, Khordha, Jagatsinghpur, Jajpur, Puri & Sundargarh) participated in the Training Programme.

The program was inaugurated on 9 December 2024 by Dr. Archana Majumdar, Hon’ble Member, National Commission for Women, GoI, New Delhi as the Chief Guest. Dr. Archana Majumdar emphasized that entrepreneurship requires a collective effort and institutional support, along with access to quality training, funding opportunities, marketing networks, the use of technology through e-commerce platforms, and innovative strategies to connect products with the right customers. Dr. Mridula Devi, Director, ICAR-CIWA highlighted that the feminization of agriculture has positioned rural women as key drivers of economic, environmental and social transformation for sustainable development. Women's empowerment not only supports sustainable agricultural practices and economic growth but also promotes gender equality and social cohesion. Increased leadership roles for women strengthen food systems, benefiting families and communities. The Director also expressed ICAR-CIWA's commitment for improving livelihoods and fostering

entrepreneurship among farm women, who play a vital role in the sustainability of the agri-food system.

Dr. R. C. Agrawal, Deputy Director General (Agril. Edu.), ICAR, New Delhi, Chaired the valedictory function and delivering presidential address on 11 December 2024. He emphasized the pivotal role of ICAR-CIWA in fostering agri-preneurship through the value addition of agricultural produces. He stressed on the relevance of such training programs in both personal and professional settings. Hon’ble DDG also suggested that ICAR-CIWA should take initiative in innovative packaging and online marketing of value added products prepared by the entrepreneurs. Mrs. Bijaya Barwa, Retd. Additional S.P, Govt. of Odisha, Guests of Honour of the program highlighted that the safety and security of women and children in the country is the utmost priority. She also sensitized the participants that through Cyber Crime Helpline the victims can get immediate assistance against online financial fraud.

The subject expert faculties from ICAR-CIWA, Regional Centre of Organic and Natural Farming, Odisha University of Agriculture and Technology, ICAR-IIWM, ICAR-NRRI, Kalinga Institute of Industrial Technology and Agri-Marketing, Govt. of Odisha delivered lectures on the various topics related to challenges for rural start-ups, Government programmes and policies to empower women led start ups, important start up sectors in agriculture, productive environment for agribusinesses, linking start up to market, core competence and skill development initiatives and awareness about e-commerce & e- marketing of agriculture products. During this training program 11 progressive farmwomen involved in different enterprises were identified and felicitated with

Kushal Mahila Udyamee award.



Address by Dr. Archana Majumdar, Hon'ble Member, NCW, GoI, New Delhi at ICAR-CIWA during Capacity Building Program





Address by Dr. R. C. Agrawal, DDG (Agril. Edu.), ICAR, New Delhi during valedictory program of NCW sponsored CBP

ICAR-CIWA established 11 Women Led CHCs in Odisha

ICAR-CIWA Bhubaneswar signed Memorandum of Agreements with 11 Women Farmer's Interest Groups (FIGs)/Self Help Groups on 18 December 2024 for establishing of Custom Hiring Centres (CHCs) in Puri, Khordha, Bhadrakh and Balasore districts of Odisha under 'Scheduled caste sub-plan' scheme of Govt. of India. Eleven Women Farmer's Interest Group, comprising more than 110 SC women farmers involved agriculture and allied activities, participated in the programme. MoAs for Women Led CHCs were signed with SC women FIGs/SHGs in the esteemed presence of Dr. R.C. Agrawal, Hon'ble DDG (Agril. Edn), ICAR and Dr. Mridula Devi, Director and other staff of ICAR-CIWA, Bhubaneswar. Most of the small and marginal women farmers do not have access to

agricultural tools, machines and equipments due to lack of resources. Therefore, ICAR-Central Institute for Women in Agriculture, Bhubaneswar is facilitating the establishment of Custom Hiring Centres under Scheduled Caste Sub Plan (SCSP) with the aim to provide need based tools, machines and equipments. CHCs are basically a unit comprising a set of tools, farm machines, implements and equipments meant for custom hiring by farmers at the village level. These custom hiring centers will aid in drudgery reduction, processing and value addition activities, provide entrepreneurship, and additional income through renting of implements and also overall women empowerment of the FIGs and farmers/ farm families of the area.





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 a total of 4 nos. of capacity building programmes were organised at Puri and Bhubaneswar. A total of 115 nos. SC farm women were covered during this quarter under various capacity and skill building programmes. During this period, 13 women led Custom Hiring Centres were established in Puri, Khordha, Bhadrak and Baleswar district of Odisha

Sl No	Programme	Duration	Venue	Participants	Coordinators
1	'Enhancing livelihood through post harvest process and value addition of product'	Badagada Brit Cology, Bhubaneswar	28 Oct 2024	40	Dr. S Swain
2	Capacity building programme on 'Economic empowerment of urban women through value addition of produce'	Jadipur Village, Brahmagiri, Puri	27-29 Nov 2024	25	Dr. S Swain
3	Three days training programme on 'Drudgery reduction of farm women through improved technologies and demonstration'	Srimukha, Nimapara, Puri	26-28 Dec 2024	35	Dr. Gayatri Moharana & B C Behera

4	Inception Workshop on 'Processing and Value Addition of Horticultural Crops' for establishment of women led Custom Hiring Centre (CHC)	Muninda, Delang, Puri	30 Dec 2024	15	Dr. Tania Seth
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Custom Hiring Centres (CHC) established

- Established Custom Hiring Centre for 'Fish farming and Processing' at village-Narakoligoroda, Sriramchnadrapur, Block-Satyabadi, Dist.-Puri on 15 Oct 2024.
- Established Custom Hiring Centre for 'Economic Empowerment of Farm Women' at village-Jadipur, Palli, Kandagoda, Block-Brahmagiri, Dist.-Puri on 28 Nov 2024.
- Established Custom Hiring Centre for 'Fish Processing and Value Addition' at village-Mansinghpur, Mansinghpur, Block-Tangi, Dist.-Khordha on 18 Dec 2024.
- Established Custom Hiring Centre for 'Fish farming and Processing' at village-Solagaon, Radhaballavpur, Block-Dhamnagar, Dist.-Bhadrak on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Badhupal, Block-Baliapal, Dist.-Baleswar on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Kamanapada, Sugo, Block-Jaleswar, Dist.-Baleswar on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village- Biswanathpur, Penthapada, Block-Satyabadi, Dist.-Puri on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Lokapala, Haladiapada, Block-Kanas, Dist.-Puri on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Mandiakuda, Block-Nimapara, Dist.-Puri on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Kantabania, Block-Kanas, Dist.-Puri on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Satasankha, Block-Pipili, Dist.-Puri on 18 Dec 2024.
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Arikama, Block-Arikama, Dist.-Khordha on 18 Dec 2024. (Mahila Jana Sampark Krishi Kendra, FIG)
- Established Custom Hiring Centre for 'Farm Equipment & Tools' at village-Arikama, Block-Arikama, Dist.-Khordha on 18 Dec 2024. (Annapurna Mahila Krushi Sangha, FIG)

Swachha Bharat Abhiyan

The ICAR-Central Institute for Women in Agriculture observed *Swachhta Pakhawada* from 16-31 December 2024. As a part of the campaign, several initiatives like signature campaign, drawing competition, cleanness and sanitation

drives at the institute, schools and community areas were conducted to promote hygiene, cleanliness, environmental sustainability and civic responsibility.

Sl. No.	Programme	Date	Venue	Participants		Nodal officer/ Team
				Women	Men	

1.	Community outreach programme	21 Dec 2024	Chala Sahi, Ghatikia, Bhubaneswar	15	5	Dr Jyoti Nayak
2.	Community outreach programme	22 Dec 2024	Omm Kars AHI, Bharatpur	35	6	Dr Jyoti Nayak
3.	Drawing Competition during the Swachhta Pakhwada from 16-31 December, 2024	24 Dec 2024	Sri Aurobinda Institute of Integral Education, Khandagiri, Bhubaneswar.			Dr Lipi Das
4.	Signature Campaign during Swachhata Pakhwada 16-31 Dec 2024	25 Dec 2024	Rangani Sahi, Bharatpur, Bhubaneswar	50	-	Dr L.P. Sahoo, Dr Tanuja S
5.	Cleanliness drive under the 'Swachhta Pakhwada' celebration programme from 16-31 December 2024 at village for mobilizing farm women to clean the roads, ponds & community places	27 Dec 2024	Srimukha, Nimapara, Puri, Odisha	38	2	Dr Gayatri Moharana
6.	Promoting clean & green technologies and organic farming practices in kitchen garden or residential colonies during Swachhata Pakhwada 16-31 Dec 2024	28 Dec 2024	Paikrapur & residential colony ICAR-CIWA, Bhubaneswar	20	30	Dr Tanuja S
7.	Swachhata Pakhwada (Involvement of VIP in Swachhata Activities at ICAR-CIWA)	31 Dec 2024	ICAR-CIWA, Bhubaneswar	10	15	Dr B Sahoo





HUMAN RESOURCE DEVELOPMENT

Training/ Seminar/Symposium/Workshop Organized

Programme details (Field day/ FLD/ Farmers day/ Interaction/ meeting)	Coordinators	Venue	Date	No of beneficiaries		
				Women	Men	Total
Exposure visit of mechanized DSR-Clusters & Stakeholders Workshop under DSR-Odisha Project with IRRI	S.K. Sarangi (ICAR-CIWA) and Ashok Kumar (IRRI)	Khorda and Puri	16 Oct 2024	45	65	110
Capacity building programme on “Training, testing and validation of women friendly coconut dehusker	Chaitrali S. Mhatre and S. Swain	Subalpur village, Satasankha	22-24 Oct 2024	50		50
On day CBP on “Enhancing livelihood through post harvest processing and value addition of produce”	S. Swain	Badagada Brit colony, Bhubaneswar	28 Oct 2024			
Training programme on 'Environmental & Social Impact Assessment (ESIA) & Gender Mainstreaming in Developmental Project'	Mridula Devi Biswanath Sahoo Ananta Sarkar Praveen Jakhar Gayatri Moharana Arpita Mohapatra Neetish Kumar	ICAR-CIWA, Bhubaneswar	27-29 Nov 2024	35		
Training programme on fodder promotion and conservation technology for improving livestock productivity. (Collaborative programme of VOTI and ICAR- CIWA)	Biswanath Sahoo & Tanuja S	ICAR-CIWA	4-6 Dec 2024	7	22	29
A three days capacity building programme sponsored by NCW	Mridula Devi, S. Swain, Gayatri Moharana, Tania Seth, Ankita Sahu, Geeta Saha & T. Sahoo	ICAR-CIWA	9-11 Dec 2024	53	-	53
Three days training on Fodder promotion and Conservation Technology for improving livestock productivity	Biswanath Sahoo	ICAR-CIWA	12-14 Dec 2024	9	21	30
Training on farm made fish feed preparation and hygienic drying using solar dryer	Tanuja S	ICAR-CIWA	18 Dec 2024	8	2	10

Interaction Meeting with video team and the farmwomen regarding the situational analysis for documentation of the project Development of Nutri Smart Villages for Food Security and Dietary Diversity for Combating Malnutrition	Jyoti Nayak		12 Dec 2024	45		
Capacity building of Farm Women on Farmer.Chat	K. Sarangi	alanga, Puri	21 Dec 2024	40		40
Towards Sustainable Water Management: Climate-Smart Pani Panchayats under OIIPCRA project	Jeetish Kumar	Parichandan pur	29-31, December	52		

Training/ Seminar/Symposium/Workshop attended

- Dr Mridula Devi, Director (ICAR-CIWA) attended 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 6-8 Nov 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar.
- Dr A. K. Panda attended Policy workshop on “Organisational Livestock Research and Development Priorities for India” on 14.Nov 2024 at ILRI South Asia Office, NASC Complex, New Delhi.
- Dr Lipi Das attended 3rd Indian Rice Congress-2024 on ‘5G enabled Rice based Agri Food Systems for Nutrition and Livelihood’ and presented a paper on Rice-based Agri-Nutri Model for Enhancing Gender Equality and Nutritional Security organized by Association of Rice Research workers during 05-07 Dec 2024 at ICAR-NRRI, Cuttack.
- Dr Ankita Sahu attended 8th International Conference on "Recent Trends in Advancement in Agriculture: Horticulture, Livestock and Allied Sciences" (RTAAAS-2024) organized by Shri Guru Ram Rai University, Dehradun, Uttarakhand State Council for Science & Technology, Dehradun, SABSR Society, Noida & Just Agriculture Edu. Group (Online) during 21-22 Nov 2024.
- Dr. A. K. Panda Participated online in 22nd SAC meeting of KVK Bargarh on 25 Nov 2024.

EXTENSION ACTIVITIES

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

B. Internship/Guidance of Students

Programme details (Internship/ RAWE)	Coordinators	College Name	Duration	Date		No of Students		
				Start	End	Girls	Boys	Total
Three-month Internship Programme of 4th Year B. Sc. Ag. (Hons.)	Tania Seth	University Institute of Agricultural Sciences, Chandigarh University	3 months	06 Aug 2024	06 Nov 2024	--	1	1
Two-month Internship Training Programme of 4th Year B.Sc. Ag. (Hons.)	Biswanath Sahoo Tania Seth	Sikshya 'O' Anusandhan, Bhubaneswar	2 months	9 Sept 2024	09 Nov 2024	7	11	18
RAWE Internship training programme	A. K. Panda L. P. Sahoo	ri Sri University, Cuttack	2 months	17 Sept 2024	17 Nov 2024	5	1	6



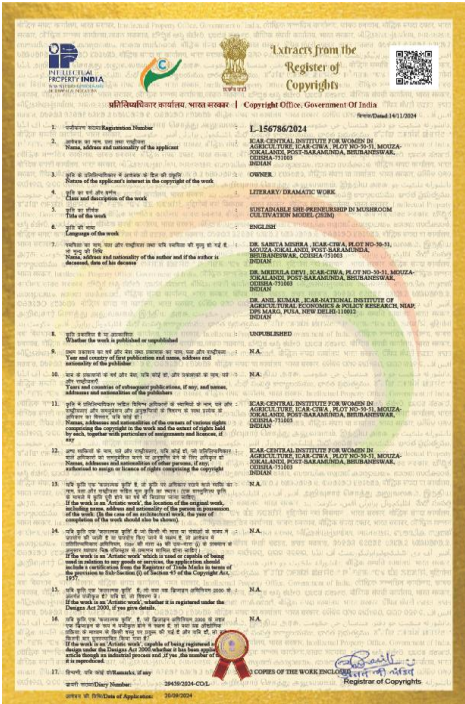


C. Exposure Visits

S. No.	Programme	Duration	No. of participants	Coordinator/Team
1	Exposure visit of students of 4 th year B. Sc. Agriculture students of Siksha ‘O’ Anusandhan	22 Oct 2024	10	Ankita Sahu S. K. Behera
2	Exposure visit of students of PM Shri Kendriya Vidyalaya Khurda Road	17 Dec 2024	288	Tania Seth S. K. Behera

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S. No.	Title	Design No./ Registration No.	Grant Date
1	Sustainable She-Preneurship in Mushroom Cultivation Model (2S2M)	L-156786/2024	14 Nov 2024
2	Pedal Operated Coconut Dehusker	435148-001	27 Dec 2024





MOU Signed

Memorandum of Understanding between ICAR-Central Institute for Women in Agriculture, Bhubaneswar, Odisha and Digital Green Trust, India was signed on 06 November 2024 to mutually take further the science and research, and extension of technologies to the women farmers/ farm women.



Signing of MOU with Digital Green Trust

A. Research Papers

1. Nayak J., Mohanty L., Saha G., Panda A.K. and Devi M. (2024) Socio-economic status and opportunities of beekeeping for farm women: a case study in. *Indian Journal of Entomology* 2448.
2. De K., Mukherjee J., Bharati J., Attupuram N. M., Mohapatra A. and Sahoo A.(2024) Physical and behavioural adaptability of sheep to thermal stress. *Indian Journal of Animal Health* 63(2): 73-81. doi: <https://doi.org/10.36062/ijah.2024.spl.02224>.
3. Sahu A, Panda A.K., Jakhar P., Devi M. (2024) Gender-sensitive integrated farming system: A framework for promoting enhanced women participation and food security. *International Journal of Agriculture Extension and Social Development* 7(12):240-246. DOI: 10.33545/26180723.2024.v7.i12d.1406.
- 4.

B. Book/Manual/Compendium

1. Das Lipi, Mishra S. K. and Sahu. A. (2024) Role of Women in Agriculture and Strategies for Gender Mainstreaming in the Book 'Towards Sustainable Agriculture: Policies and Practices' published by NIPA, GENX Electronics Resources & Solutions P. Ltd., New Delhi, pp. 133-154.
2. Mridula D., Swain S., Moharana G., Seth T., Sahu A., Saha G. and Sahoo T. (2024) Gender Sensitive Nutri-smart Organic Agri-Practices and Digital Innovations for profitable Agri-preneurship [Training Compendium]. ICAR-Central Institute for Women in Agriculture, Bhubaneswar, Odisha. pp. 1-132. (ISBN: 978-81-944268-3-7)

C. Souvenir-cum-abstracts

1. Mridula Devi, Chaudhary, V.P., Sarangi, S.K., Kumar, V., Magar, A.P., Khadatkhar, A., Swain, S., Katiyar, H. and Jakhar, P. (Eds.). 2024. Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4.

D.Chapters in Book/ Compendium/ Manuals/Souvenir/ Proceedings

1. Mhatre C.S., Nayak J., Moharana G. and Mohapatra A. (2024) Managing drudgery and occupational health hazards of women through ergonomic farm tools and implements. In: *Compendium on Capacity Building Program for Progressive Women Farmers On Gender Sensitive Nutri-smart Organic Agri-practices and Digital Innovations for Profitable Agri-preneurship*, ICAR-CIWA, Bhubaneswar, Odisha.
2. Tanuja S. (2024) Women led Agri preneurship and Start-ups: Transforming Supply Chain and Market Linkage. In: *Compendium on Capacity Building Program for Progressive Women Farmers On Gender Sensitive Nutri-smart Organic Agri-practices and Digital Innovations for Profitable Agri-preneurship*, ICAR-CIWA, Bhubaneswar, Odisha: 100-106

E.Popular Articles/ E-publications

1. Sahoo B., Panda A.K., Das L., Tanuja S., Devi M., Parida G. and Behera S.K. (2024) Broiler Goat Farming: A Profitable Enterprise for Empowering Farm Women. *VigyanVarta* 5(10): 145-150.
2. Moharana G, Das L, Nayak, J, Devi M and Panda A.K. (2024) Empowerment of Farm Women in Cultivation, Processing and Value Addition of Jute Fibre. *Agriculture & Food: e-Newsletter*. 630-634.

F.Abstract/ Presentation in conferences/ Seminars/ Workshops

1. Rayalareddy V, Ravinder Reddy, Baswa Reddy P, Panda A. K., Chinnipreetam V and Bhargavi M. 2024. Food safety concern on detection and analysis of antibiotic residues in fresh and cooked broiler meat by high performance liquid chromatography (UV detector). Abstr. OPM-02. PP -157. Proceedings of the book of Abstract of XXXIX Annual Conference and National Symposium of Indian Poultry Science Association held at Nagpur Veterinary College, MAFSU, 16-18 October 2024.
2. Seth T., Pan R.S., Koley T.K. and Singh A.K. (2024). Diversity of Lesser-Known Leafy and Flower Vegetables of Eastern India. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 39.
3. Seth T., Panda A.K., Mhatre C.S., Pati M., Prusty M., Rout P.K. and Behera S.K. 2024. Impact of Women Friendly Integrated Vertical Nutri-farming System (IVNFS) on Household Nutrition. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 97-98.
4. Sarangi S.K., Mridula D., Tanuja S., Seth T., Sahu A. and Moharana G. 2024. Gender-responsive Homestead Farming Systems for Enhancing Family Income and Nutrition. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 1.
5. Sarangi, D.N., Devi, M., Sarangi, S. K., Mishra, S., Sahoo, B., Sarkar, A., Behera,

- B.C., Acharya, S. and Kar, R. 2024. Biofortification of crops a nutri smart way for women in agriculture in India. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 37
6. Mohapatra A., Panda A K., Devi M. and Swain B B. 2024. Assessing the Vulnerability of Women Livestock Farmers to Climate Change through Livestock Farmers Livelihood Vulnerability Index (LLVI). . In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 113.
 7. Mhatre, C. S., Nayak, J., Mohrana, G., Devi, M., Sarangi, S. K. and Pati, M. 2024. Quantifying the drudgery in rice cultivation: a time and motion study. . In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 78-79
 8. Sahu A., Das L., Sahoo L.P., Devi M. and Sarangi, S.K. 2024. Organic Horticultural Farming through the Lens of Gender: Participation, Roles and Empowerment of Farm Women. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 97.
 9. Panda A.K., Jakhar P., Sahu A. and Devi M. 2024. Economic Enabling of Farm Women through Integrated Farming System. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 144.
 10. Das L., Sahoo B., Sahu A., Moharana G. and Mahapatra S. 2024. Gender Mainstreaming in Agriculture through Transformative Approach for Equity, Entrepreneurship and Empowerment. In: International Conference on *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges*. November 6-8, 2024: 70.
 11. Sahoo L.P., Sahu A. and Mhatre C.S. (2024) Gender responsive Rural Seed Network for sustainable Agri-food system. Extended Summaries. Resilience. International Conference on Building small holder climate resilience for achieving sustainable food systems (17-19 September, 2024). Published by Odisha University of Agriculture and Technology, Bhubaneswar. 31-32.
 12. Sarkar A., Jakhar P., Kumar N., Panda, A. K. and Devi M. (2024) Dynamics of women's participation in agricultural activities in Rural India. In Devi M., Chaudhary V. P., Sarangi S. K., Kumar V., Magar A. P., Khadatkhar A., Swain S., Katiyar H. and Jakhar P. (Eds.). 2024. *Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges* (ICNSFS 2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4 (SOUVENIR-cum-ABSTRACTS). 72.
 13. Tanuja S., Das L., Sarkar A., Seth T., Mridula D., Sarangi S. K. and Jena B. B. (2024) Climate smart homestead aquaculture with women's participation for improved household nutritional security and income. In Devi M., Chaudhary V. P., Sarangi S. K., Kumar V., Magar A. P., Khadatkhar A., Swain S., Katiyar H. and

- Jakhar P. (Eds.). 2024. Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS 2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4 (SOUVENIR-cum-ABSTRACTS). 2.
14. Kumar N., Jakhar P. and Sarkar A. (2024) Digital Agriculture: unlocking opportunities for women farmers through technology. In Devi M., Chaudhary V. P., Sarangi S. K., Kumar V., Magar A. P., Khadatkhar A., Swain S., Katiyar H. and Jakhar P. (Eds.). 2024. Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS 2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4 (SOUVENIR-cum-ABSTRACTS). 143.
 15. Jakhar P., Mishra S., Rawat I., Sarkar A. and Mridula D. (2024) Women empowerment through watershed programmes: an empirical assessment. In Devi M., Chaudhary V. P., Sarangi S. K., Kumar V., Magar A. P., Khadatkhar A., Swain S., Katiyar H. and Jakhar P. (Eds.). 2024. Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS 2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4 (SOUVENIR-cum-ABSTRACTS). 146.
 16. Moharana G, Nayak J, Mhatre C S, Devi M, Panda A. K. and Panda R. S.(2024)‘Empowerment of Farm Women through Women Friendly Agricultural Technologies in Tribal District of Odisha.(2024) In Devi M., Chaudhary V. P., Sarangi S. K., Kumar V., Magar A. P., Khadatkhar A., Swain S., Katiyar H. and Jakhar P. (Eds.). 2024. Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS 2024), 06-08 November, 2024, ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India. ISBN: 978-81-966536-4-4 (SOUVENIR-cum-ABSTRACTS). 146.
 17. Das, Lipi, Sahoo, B., Jakhar, P. and Seth, T. (2024) Rice-based Agri-Nutri Model for Enhancing Gender Equality and Nutritional Security. In Extended Summary of 3rd Indian Rice Congress-2024 on ‘5G enabled Rice based Agri Food Systems for Nutrition and Livelihood’ and presented a paper on Rice-based Agri-Nutri Model for Enhancing Gender Equality and Nutritional Security organized by Association of Rice Research workers during 05-07 December, 2024 at ICAR-NRRI, Cuttack, pp.344-345.

AWARDS/ ACHIEVEMENTS/ RECOGNITIONS

- Dr Mridula Devi, Director ICAR-CIWA conferred with the ‘Lifetime Achievement Award’ on 06 November 2024 by Pragati International Scientific Research Foundation, India during 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges, organized during Nov 6-8, 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar.
- Dr Mridula Devi, Director (ICAR-CIWA) & President (Research Association for Gender in Agriculture) acted as Chief Organizing Secretary of

- the 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024), during 6-8 November 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar.
- Dr Mridula Devi, Director ICAR-CIWA acted as a Chairperson in the Technical Session on ‘Gender Equity for Sustainable Agriculture’ in the 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 6-8 November 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India.
 - Dr. S. K. Sarangi awarded the Honorary Fellowship Award by the Pragati International Scientific Research Foundation (PISRF) for the year 2024 conferred on 06 November 2024 during the 3rd International Conference on Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024) held at ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India during 06-08 November, 2024.
 - Dr. Tania Seth was awarded the Best Oral Presentation Award by the Pragati International Scientific Research Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India..
 - Dr. Tania Seth was awarded the Second Best Oral Presentation Award by the Pragati International Scientific Research Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India..
 - Dr. Arpita Mohapatra was awarded the Second Best Oral Presentation Award by the Pragati International Scientific Research Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India.
 - Dr. Tanuja S. was awarded the Best Oral Presentation Award by the Pragati International Scientific Research Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India.
 - Er. Chaitrali Mhatre was awarded the Third Best Oral Presentation Award by the Pragati International Scientific Research Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India.

- Dr. Ankita Sahu received the Young Scientist Award at Just Agriculture Edu. Group.
- Dr. A. K. Panda Chaired the Poultry Nutrition Session at IPSACON-2024 held at Nagpur Veterinary College from 16-18 October, 2024.
- Dr. A. K. Panda recognised as Expert for the Farmer Scientist Interaction Programme in the *Matsya O Pranee Sampad Mela*, 2024 Khordha on 20th November 2024 organised by the Fisheries and Animal Resources Development Department, Khordha.
- Dr. A. K. Panda recognised as Expert for Technical session on Enhancement of Milk Production through increased productivity of dairy animals in Odisha during National Milk day on 26.11.2024.
- Dr. Gayatri Moharana received 3rd Best Oral Presentation Award by the Pragati International Scientific Research

Foundation (PISRF) in 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges(ICNSFS-2024)” during 06-08 Nov 2024 at ICAR-CIWA, Bhubaneswar, India.

- Dr. Gayatri Moharana Received Distinguished Scientist Award in **8th International Conference** on “Recent Trends in Advancement of Agriculture, Horticulture, Livestock and allied sciences” (**RTAAAS-2024**) by Shri Guru Ram Rai University, Dehradun (ICAR accredited) & Just Agriculture Edu. Group, SABSR, Noida.
- Dr. Neetish Kumar was awarded the Young Scientist Award by Recent Trends in Advancement of Agriculture, Horticulture, Livestock and Allied Sciences (RTAAAS-2024) organized by SGRR Univ, Dehradun

Invited Lectures

- Dr. Mridula Devi, Director, ICAR-CIWA delivered Keynote on ‘Empowering women for gender equitable sustainable agriculture’ in the 3rd International Conference on “Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024), during 6-8 Nov 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India.
- Er. Chaitrali S Mhatre, Scientist ICAR-CIWA delivered lecture on ‘Managing drudgery and occupational health hazards of women through ergonomic farm tools and

implements’ in Gender Sensitive Nutri-smart Organic Agri-Practices and Digital Innovations for profitable Agri-preneurship, during 9-11 Dec 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India.

- Dr. Tanuja S, Senior Scientist, ICAR-CIWA delivered lecture on ‘Managing drudgery and occupational health hazards of women through ergonomic farm tools and implements’ in Gender Sensitive Nutri-smart Organic Agri-Practices and Digital Innovations for profitable Agri-preneurship, during 9-11 Dec 2024 at ICAR-Central Institute for Women in Agriculture, Bhubaneswar, India.

ICAR-CIWA IN NEWS

and was moderated by Dr. unrecognised roles. They dis- of Reid Justice M M Das, who butions recognised. The session ticipants.

ICAR-CIWA, Bhubaneswar celebrated Rashtriya Mahila Kisan Diwas on 15 October 2024



Rashtriya Mahila Kisan Diwas was celebrated at ICAR-Central Institute for Women in Agriculture, Bhubaneswar to honour the significant contributions of farmwomen in agriculture. The event commenced with an address by Dr. Mridula Devi,

Director of ICAR-CIWA, who emphasized the importance of the day and the institute's role in empowering women in the agricultural sector. Dr. Himlesh Mann, Assistant Director General (EP&HS) of ICAR, joined virtually as the Guest of

Honour. In her address, she commended farmwomen for their vital contributions to agricultural production and value addition, stressing the need for gender equity to achieve sustainable agricultural development. Dr. Deepthi Mohapatra, Additional Director of Animal Husbandry & Veterinary Services in Odisha, also attended as a Guest of Honour. She shared her experiences, highlighting the challenges faced by women, their dedication in overcoming these obstacles and the opportunities that exist for them through various Government schemes and programmes. The Chief Guest, Prof. Sabita Acharya, Hon'ble Vice Chancellor of Utkal University, Bhubaneswar emphasized the importance of reducing the gender gap for realizing empowerment of women farmers. She advocated for climate-smart ag-

ricultural practices to combat the adverse effects of climate change and encouraged women to lead community mobilization efforts in adopting organic farming for sustainable agriculture. Prof. Acharya also praised ICAR-CIWA's efforts in developing women friendly technologies and models thus fostering women agri-preneurship in the country. During the event, ten progressive women farmers who have made significant strides in agriculture and allied sectors were recognized with awards. The program included a Farmers-Scientists interaction, where participants were updated on sustainable agriculture techniques, crop varieties, and farm management strategies. The occasion also witnessed the bolstering of the association of the institute with its primary stakeholders, i.e.

women farmers. Four Memorandums of Agreement were signed with Women Farmer Producer Organizations for technical support and with Women Farmer Interest Groups for establishment of Women-led Custom Hiring Centers. Demonstration on women friendly technologies was also organised for the benefit of the farmers. During the programme a National level awareness campaign on accidents due to farm machine was also conducted. A lecture on Safety and comfort of farm women in agriculture and allied sectors was delivered by Dr. S. K. Mohanty, Professor (Reid), OAUAT, Bhubaneswar. The celebration brought together over 200 farmwomen from institute-adopted villages, providing them a platform to share their achievements and experiences.

विज्ञापन

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ॐ श्रीहरिः ॥ ॐ

सन्मार्ग

ओडिशा

नमोऽस्तु रामाय सलक्ष्मणाय देव्यै च तस्यै जनकाम्यजायै नमोऽस्तु रुद्रेन्द्रयमानिलेभ्यो नमोऽस्तु चन्द्रार्कमरुद्गणेश्वर्यैः

भुवनेश्वर, बुधवार, 16 अक्टूबर, 2024

ओडिशा, पश्चिम बंगाल, बिहार, झारखंड व अंडमान निकोबार से प्रकाशित

आईसीएआर-सीआईडब्ल्यूए ने मनाया राष्ट्रीय महिला किसान दिवस

भुवनेश्वर, (निप्र) : महिला किसानों के योगदान का सम्मान करने के लिए आईसीएआर-केंद्रीय कृषि महिला संस्थान, भुवनेश्वर में राष्ट्रीय महिला किसान दिवस मनाया गया। कार्यक्रम की शुरुआत आईसीएआर-सीआईडब्ल्यूए की निदेशक डॉ. मृदुला देवी के संबोधन से हुई जिन्होंने इस दिन के महत्व और कृषि क्षेत्र में महिलाओं को सशक्त बनाने में संस्थान की भूमिका पर जोर दिया। आईसीएआर की सहायक महानिदेशक (ईपी एंड एचएस) डॉ. विमलेश मान ने सम्मानित अतिथि के रूप में डिजिटल माध्यम से कार्यक्रम में शामिल होकर कृषि उत्पादन और मूल्य संवर्धन में योगदान के लिए महिला कृषकों की सराहना की और सतत कृषि विकास के लिए लैंगिक समानता पर बल दिया। सम्मानित अतिथि ओडिशा में पशुपालन और पशु चिकित्सा सेवाओं की अतिरिक्त निदेशक दीप्ति महापात्र ने महिलाओं की चुनौतियों, बाधाओं को दूर करने में उनके समर्पण और विभिन्न सरकारी योजनाओं और कार्यक्रमों के माध्यम से उनके लिए



मौजूद अवसरों पर प्रकाश डालते हुए अपने अनुभव साझा किए। मुख्य अतिथि उत्कल विश्वविद्यालय, भुवनेश्वर की कुलपति प्रो. सविता आचार्य ने महिला किसानों के सशक्तिकरण के लिए लिंग अंतर को कम करने पर जोर दिया। उन्होंने जलवायु परिवर्तन के प्रभावों से निपटने के लिए जलवायु-स्मार्ट कृषि पद्धतियों की वकालत की और महिलाओं को जैविक खेती को अपनाने में सामुदायिक गतिशीलता प्रयासों का नेतृत्व करने के लिए प्रोत्साहित किया। प्रो आचार्य ने महिला अनुकूल प्रौद्योगिकियों और मॉडलों को

विकसित करने और महिला कृषि-उद्यमिता को बढ़ावा देने में आईसीएआर-सीआईडब्ल्यूए की भी सराहना की। मौके पर दस प्रगतिशील महिला किसानों को पुरस्कृत किया गया। वैज्ञानिकों ने टिकाऊ कृषि तकनीकों, फसल किस्मों और कृषि प्रबंधन पर अहम जानकारीयों दी गईं। तकनीकी सहायता के लिए महिला किसान उत्पादक संगठनों और महिला नेतृत्व वाले कस्टम हायरिंग केंद्रों की स्थापना के लिए महिला किसान हित समूहों के साथ चार एमओयू पर हस्ताक्षर किए गए। महिला अनुकूल कृषि प्रौद्योगिकियों का प्रदर्शन भी किया गया। कृषि यंत्रों से होने वाली दुर्घटनाओं पर जागरूकता अभियान भी चलाया गया। ओयूएटी के सेवानिवृत्त प्रोफेसर एस.के. मोहंती ने कृषि और संबद्ध क्षेत्रों में कृषक महिलाओं को सुरक्षा पर एक व्याख्यान दिया। उत्सव में संस्थान द्वारा गोद लिए गए गांवों की 200 से अधिक कृषक महिलाएं एक साथ आई। कार्यक्रम का संयोजन वरिष्ठ वैज्ञानिक डॉ. तनुजा एस. ने किया।

ଭୁବନେଶ୍ୱର, (ପିଟିଭି): ଆସିଆର (ସେଣ୍ଟ୍ରାଲ୍ ଇନଷ୍ଟିଚ୍ୟୁଟ୍ ମନିଫା କୃଷି ଶିକ୍ଷା ଅନୁଷ୍ଠାନରେ ଦ୍ୱିତୀୟ ଅବକାଶୀୟ ସମ୍ମିଳନୀରେ ପ୍ରାଚୀନ ପଞ୍ଚାଙ୍ଗରେ ପ୍ରଗତି ଇଣ୍ଟରନାସୟନାଲ୍ ସାଇଣ୍ଟିଫିକ୍ ରିସର୍ଚ୍ଚ ପାଉଣ୍ଡେସନ୍ ଓ ICAR ର ମିଳିତ ସହଯୋଗରେ ନଭେମ୍ବର ୬ରୁ ୮ ପର୍ଯ୍ୟନ୍ତ ତିନି ଦିନିଆ ଶିବିର ଅନୁଷ୍ଠିତ ହେଇଯାଇଛି । ଏହି ଶିବିରରେ ଡ. ଭିପି ଚୌଧୁରୀ ଆଇସିଆର ଇଣ୍ଟିନିୟାରି ଡିଭିଜନ ନିର୍ଦ୍ଦେଶକ ଡ. ମୃତୁକା ଦେବୀ, ଡ. ଶଯାପ୍ରସାଦ ପୂର୍ବତନ ଭିପି ସର୍ବିସ୍ ବଲ୍ଲଭ ପଟେଲ୍ କୃଷି



ବିଶ୍ୱବିଦ୍ୟାଳୟ, ଡ. ଆର.ସି. ଅଗ୍ରୱାଲ, ଡ. ପ୍ରଦୀପ କୁମାର ସିଂ, ଓୟୁଏଟି କଲପତି ଡ. ପିକେ ଭୋଲ୍, ଡ. ସୁବ୍ରାତ କୁମାର ଷଡ଼ଙ୍ଗା ପ୍ରମୁଖ ଯୋଗ ଦେଇ କିପରି କୃଷକ ଜ୍ଞାନକୌଶଳରେ ମହିଳାମାନେ ଟାଣ କରି ସ୍ୱାବଲମ୍ବୀ ହୋଇପାରିବେ ସେ ବିଷୟରେ ଅତିରିକ୍ତମାନେ ମତବ୍ୟକ୍ତ କରିଥିଲେ । ମହିଳା ସ୍ୱୟଂ ସହାୟକା ଗୋଷ୍ଠୀ ଓ ବିଭିନ୍ନ ବିଭାଗ ପକ୍ଷରୁ କିପରି କୃଷିକ୍ଷେତ୍ରରେ ଉନ୍ନତି ହେବ ଉକ୍ତମାନଙ୍କରେ କୃଷକମାନଙ୍କୁ ବୁଝାଇବା ସହ ସାମଗ୍ରୀ ପ୍ରଦର୍ଶିତ ହେଇଥିଲା ।

3rd International Conference on "Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)

3rd International Conference on 'Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)' was jointly organized in hybrid mode by Pragati International Scientific Research Foundation (PISRF) and ICAR-Central Institute for Women in Agriculture, Bhubaneswar in collaboration with Research Association for Gender in Agriculture (RAGA), Bhubaneswar during 06-08 November 2024. This Conference aspires to generate insights and promote collaborative strate-

gies to enhance the resilience and gender equity of agricultural systems, contribute valuable perspectives and shaping the trajectory of sustainable agriculture globally. Dr. V. P. Chaudhary, Head of Division, ICAR-Central Institute of Agricultural Engineering, Bhopal & Organizing Secretary, briefed about the purpose and major thematic areas planned to be covered during this three days spanning International Conference. Dr. Mridula Devi, Director of ICAR-CIWA & Chief Organizing Secretary, welcomed all the delegates and emphasized the

importance of the conference. She also highlighted the role of ICAR-CIWA in empowering women in the agricultural sector. Dr. Gaya Prasad, Former Vice Chancellor, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut emphasized the importance of women farmers in Indian agriculture. He also emphasized the need to address gender issues in agriculture and allied sectors for adaptation to climate change at regional, national, and global scales. Dr. R. C. Agrawal, Hon'ble Dy. Director General, (Agriculture Education), Indian Council of

Agricultural Research, New Delhi stressed upon for the vital contributions of women farmers in agricultural production and value addition. He also stated the need for gender equity to achieve sustainable agricultural development. Dr. Praveen Kumar Singh, Hon'ble Agriculture Commissioner Department of Agriculture & Farmers Welfare, New Delhi aspired that this conference will provide a platform to achieve sustainable development goals by addressing the several challenges and institutional bottlenecks. Dr. P. K. Roul, Hon'ble Vice-Chancellor,

Odisha University of Agriculture & Technology, Bhubaneswar highlighted the importance of diverse nutrient-rich food to meet the increasing demand of burgeoning population and advocated the need of climate-smart agricultural practices to combat the adverse effects of climate change for sustainable agriculture. Dr. Sukanta Kumar Sarangi, Head of Division, ICAR-CIWA & Local Organizing Secretary concluded the conference with the vote of thanks. The conference comprises ten thematic areas and fourteen technical sessions.

ନିଜେ ବଞ୍ଚନ୍ତୁ ଏବଂ ଅନ୍ୟକୁ ବଞ୍ଚିବାକୁ ଦିଅନ୍ତୁ- LIVE & LET LIVE



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3RD INTERNATIONAL CONFERENCE ON CLIMATE-SMART NUTRI-SENSITIVE INTEGRATED FARMING SYSTEM FOR GENDER-EQUITABLE SUSTAINABLE AGRICULTURE

3rd international conference on climate-smart nutri-sensitive integrated farming system for gender-equitable sustainable agriculture

6th – 8th November 2024, Bhubaneswar

The 3rd International Conference on 'Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-Equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)' was inaugurated today by Dr R. C. Agrawal, Deputy Director General (Agriculture Education), ICAR, at ICAR-Central Institute for Women in Agriculture, Bhubaneswar. He stressed the vital contributions of women farmers in agricultural production and value addition. He also stated that there is a need for gender equity to achieve sustainable agricultural development. Dr Agrawal highlighted that the participation of female students in agricultural education is increasing rapidly. Women farmers are the main conservators of biodiversity; therefore, they should be recognized and rewarded for this, he added.

Dr Agrawal honored successful women farmers for their contributions to agriculture and allied sectors. Students, researchers, and academicians were also recognized for their outstanding contributions to agricultural research and education.



भा.कृ.अनु.प - केन्द्रीय कृषिरत महिला संस्थान, भुवनेश्वर

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

Bhubaneswar, Odisha, India



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GENDER KNOWLEDGE SYSTEM

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- HRD
- Atmanirbhar Bharat Abhiyan
- Swachh Bharat Abhiyan

3rd International Conference on "Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)" held at ICAR-Central Institute for Women in Agriculture from 06-08 November 2024

The 3rd International Conference on 'Climate-Smart Nutri-Sensitive Integrated Farming System for Gender-equitable Sustainable Agriculture: Prospects and Challenges (ICNSFS-2024)' was inaugurated on 06 November 2024 by Dr. R. C. Agrawal, Hon'ble Dy. Director General, (Agriculture Education), Indian Council of Agricultural Research, New Delhi as Chief Guest at ICAR-Central Institute for Women in Agriculture, Bhubaneswar. Dr. R. C. Agrawal, in his inaugural speech stressed upon for the vital contributions of women farmers in agricultural production and value addition. He also stated the need for gender equity to achieve sustainable agricultural development. He stressed that the participation of girl students in agricultural education is increasing rapidly. He pointed out that women farmers are the main conservators of biodiversity, therefore, they should be recognized and rewarded for this. This Conference aspires to generate insights and promote collaborative strategies to enhance the resilience and gender equity of agricultural systems, contribute valuable perspectives and shaping the trajectory of sustainable agriculture globally. About 300 delegates from across India and abroad are participating in this conference in different technical sessions. This conference provides a platform for interdisciplinary dialogue on critical issues shaping the future of agriculture by exploring 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.

Palli Tharu Delhi

୧-୭ ଡିସେମ୍ବର, ୨୦୨୪ | ପଲ୍ଲୀ ଠାକୁ ଦିଲ୍ଲୀ

କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଏବଂ ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠା ଆନୁକୁଲ୍ୟରେ ତିନି ଦିନିଆ ତାଲିମ ଶିବିର ଅନୁଷ୍ଠିତ



ଭୁବନେଶ୍ୱର, (ଡିଜିଟାଲ) କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଦ୍ୱାରା ମୁଖ୍ୟମନ୍ତ୍ରୀ କାମଧେନୁ ଯୋଜନା ଅନ୍ତର୍ଗତ ଏକତିନି ଦିନିଆ ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମ ତା'ର ୧ ଡିସେମ୍ବର ୨୦୨୪ରିଖ "ପ୍ରାଣୀପାଳନରେ ଉନ୍ନତି ପାଇଁ



ବାରାହପୁର, ପ୍ରୋସ୍ତାବନ ଏବଂ ସଂରକ୍ଷଣ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା" ଆୟୋଜିତ ହୋଇଛି । ଡକ୍ଟର ମୁକୁଳା ଦେବୀ, (ନିର୍ଦ୍ଦେଶକ, କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର), ଡକ୍ଟର ବିଲ୍ଲୁପ ଦାସ (ସଂପୂର୍ଣ୍ଣ ନିର୍ଦ୍ଦେଶକ, ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ) ଏବଂ ଡକ୍ଟର ରାଜୀବ ଶର୍ମା (ଉପ ନିର୍ଦ୍ଦେଶକ, ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ) ଯୋଗ ଦେଇଥିଲେ । ଡକ୍ଟର ବିଶ୍ୱନାଥ ସାହୁ ମୁଖ୍ୟ (ବୈଜ୍ଞାନିକ ପ୍ରାଣୀପୋଷଣ) କାର୍ଯ୍ୟକ୍ରମ ପରିଚାଳନା କରିଥିଲେ । ଏହି ରେ ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମରେ ଓଡ଼ିଶା ସରକାରଙ୍କ ମତ୍ସ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗର ୨୯ ଜଣ କର୍ମଚାରୀ ଅଂଶଗ୍ରହଣକରି ବାରାହପୁର, ସଂରକ୍ଷଣ ଏବଂ ମୂଲ୍ୟ ଯୋଗ ଉପରେ ତାଲିମ ଗ୍ରହଣ କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମ ରେ ବାରା ଟାସ୍ ଫୋର୍ସ ଗଠନ, ପୁରୁଷ ବ୍ୟବହାର ଯୋଗାହାରିତ କରିବା, ରୋଗର ଜମିର ବିକାଶ ଓ ପଶୁପାଳନ ଓ ଉତ୍ପାଦନରେ ମହିଳାମାନଙ୍କୁ ସଶକ୍ତ କରିବା ପାଇଁ କିଛି ସମ୍ବେଦନଶୀଳତା ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇଥିଲା । ଏହି ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମଟି ଓଡ଼ିଶା ସରକାରଙ୍କ ମତ୍ସ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗ (FARD) ର କାର୍ଯ୍ୟକର୍ତ୍ତାଙ୍କ ମାଧ୍ୟମରେ ବାରାହପୁର ଏବଂ ସଂରକ୍ଷଣ ବୃକ୍ଷି କରିବାର ଲକ୍ଷ୍ୟପୂରଣ କରିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଥିଲା ।

କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଏବଂ ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ, ଭୁବନେଶ୍ୱରର ମିଳିତ ଆନୁଷ୍ଠାନିକରେ ତିନି ଦିନିଆ ତାଲିମ ଶିବିର ଅନୁଷ୍ଠିତ



ଭୁବନେଶ୍ୱର, (ପିଟି): କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଦ୍ୱାରା ମୁଖ୍ୟମନ୍ତ୍ରୀ କାମଧେନୁ ଯୋଜନା ଅନ୍ତର୍ଗତ ଏକ ତିନି ଦିନିଆ ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମ ୧୧ ୨ ଓ ୧୪ ଡିସେମ୍ବର ୨୦୨୪ରେ “ପ୍ରାଣୀଚିକିତ୍ସକରେ ଉନ୍ନତ ପାଇଁ ବ୍ୟାଘାତପ୍ରାପ୍ତ, ପ୍ରୋତ୍ସାହନ ଏବଂ ସଂରକ୍ଷଣ ପ୍ରଯୁକ୍ତିବିଦ୍ୟା” ଆୟୋଜିତ ହୋଇଛି । ଚକ୍ର ଲାଭକାରୀ, ନିର୍ଦ୍ଦେଶକ, କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଏବଂ ଚକ୍ରାଧିକାରୀଙ୍କ ଉପସ୍ଥିତିରେ ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମ ଆରମ୍ଭ ହୋଇଛି । ଚକ୍ର ଲାଭକାରୀ ଶ୍ରୀ (ଉପ ନିର୍ଦ୍ଦେଶକ, ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ) କାର୍ଯ୍ୟକ୍ରମ ସମାପନ ଉତ୍ସବରେ ଯୋଗ ଦେଇ ପ୍ରାଣୀ ଚିକିତ୍ସା ଯୋଜନା ଉପରେ ପରିଚାଳନା ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ ତଥା କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ଏବଂ ପ୍ରାଣୀଚିକିତ୍ସକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ,

ଭୁବନେଶ୍ୱର ର ମିଳିତ ପ୍ରଦେଶରେ ଉପସ୍ଥିତ ପ୍ରାଣୀଚିକିତ୍ସକ ବିଭାଗରେ କାର୍ଯ୍ୟରତ ପ୍ରାଣୀଚିକିତ୍ସକ ଏବଂ ଦ୍ୱାରା ବିଭାଗ ଅଧିକାରୀ ମାନଙ୍କର ଦକ୍ଷତା ବିଭାଗ ଅଧିକାରୀ ମାନଙ୍କର ଦକ୍ଷତା ବିଭାଗ ପାଇଁ ପ୍ରୋତ୍ସାହିତ କରିଥିଲେ । ଏହି ରେ ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମରେ ଉଚ୍ଚତା ସରକାରଙ୍କ ମଧ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗର ୨୯ ଜଣ କର୍ମଚାରୀ ଅଂଶଗ୍ରହଣକରି ଦ୍ୱାରା ଉପାଦାନ, ସଂରକ୍ଷଣ ଏବଂ ମୂଲ୍ୟବର୍ଦ୍ଧନ ଉପରେ ଚାଲିଥିବା ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଦ୍ୱାରା ଚାଷ ଫୋର୍ସ ରଠନ, ଦୁଗ୍ଧ ବ୍ୟବହାର ପ୍ରୋତ୍ସାହିତ କରିବା, ଗୋବର ଜମିର ବିଭାଗ ଏବଂ ପଶୁପାଳନ ଓ ଉତ୍ପାଦନରେ ମହିଳାମାନଙ୍କୁ ସହଜ କରିବା ପାଇଁ ଲିଙ୍ଗ ସମ୍ବେଦନଶୀଳତା ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇଥିଲା । ଏହି ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମଟି ଉଚ୍ଚତା ସରକାରଙ୍କ ମଧ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗ (FARD) ର କାର୍ଯ୍ୟକର୍ତ୍ତାଙ୍କ ମଧ୍ୟରେ ଦ୍ୱାରା ଉପାଦାନ ଏବଂ ସଂରକ୍ଷଣ ଦୃଷ୍ଟି କରିବାରେ ଲକ୍ଷ୍ୟପୂର୍ଣ୍ଣ କରିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଥିଲା ।

ନ୍ୟୁଟ୍ରି-ସ୍ମାର୍ଟ ଜୈବିକ କୃଷି ପର କ୍ଷମତା ନିର୍ମାଣ କାର୍ଯ୍ୟକ୍ରମ ଆୟୋଜିତ

ଭୁବନେଶ୍ୱର, (ପିଟି) : ଭାକୁଅନୁପ-କେନ୍ଦ୍ରୀୟ କୃଷିରତ ମହିଳା ସଂସ୍ଥାନ, ଭୁବନେଶ୍ୱର ନେ ୯-୧୧ ଡିସେମ୍ବର ୨୦୨୪ରେ ଉପସ୍ଥିତ ପ୍ରାଣୀଚିକିତ୍ସକ ବିଭାଗରେ କାର୍ଯ୍ୟରତ ପ୍ରାଣୀଚିକିତ୍ସକ ଏବଂ ଦ୍ୱାରା ବିଭାଗ ଅଧିକାରୀ ମାନଙ୍କର ଦକ୍ଷତା ବିଭାଗ ଅଧିକାରୀ ମାନଙ୍କର ଦକ୍ଷତା ବିଭାଗ ପାଇଁ ପ୍ରୋତ୍ସାହିତ କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଦ୍ୱାରା ଚାଷ ଫୋର୍ସ ରଠନ, ଦୁଗ୍ଧ ବ୍ୟବହାର ପ୍ରୋତ୍ସାହିତ କରିବା, ଗୋବର ଜମିର ବିଭାଗ ଏବଂ ପଶୁପାଳନ ଓ ଉତ୍ପାଦନରେ ମହିଳାମାନଙ୍କୁ ସହଜ କରିବା ପାଇଁ ଲିଙ୍ଗ ସମ୍ବେଦନଶୀଳତା ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇଥିଲା । ଏହି ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମଟି ଉଚ୍ଚତା ସରକାରଙ୍କ ମଧ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗ (FARD) ର କାର୍ଯ୍ୟକର୍ତ୍ତାଙ୍କ ମଧ୍ୟରେ ଦ୍ୱାରା ଉପାଦାନ ଏବଂ ସଂରକ୍ଷଣ ଦୃଷ୍ଟି କରିବାରେ ଲକ୍ଷ୍ୟପୂର୍ଣ୍ଣ କରିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଥିଲା ।



ଲିଙ୍ଗ ସମ୍ବେଦନଶୀଳତା ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇଥିଲା । ଏହି ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମଟି ଉଚ୍ଚତା ସରକାରଙ୍କ ମଧ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗ (FARD) ର କାର୍ଯ୍ୟକର୍ତ୍ତାଙ୍କ ମଧ୍ୟରେ ଦ୍ୱାରା ଉପାଦାନ ଏବଂ ସଂରକ୍ଷଣ ଦୃଷ୍ଟି କରିବାରେ ଲକ୍ଷ୍ୟପୂର୍ଣ୍ଣ କରିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଥିଲା ।

ଲିଙ୍ଗ ସମ୍ବେଦନଶୀଳତା ଉପରେ ଗୁରୁତ୍ୱ ଦିଆଯାଇଥିଲା । ଏହି ପ୍ରଶିକ୍ଷଣ କାର୍ଯ୍ୟକ୍ରମଟି ଉଚ୍ଚତା ସରକାରଙ୍କ ମଧ୍ୟ ଓ ପଶୁ ସମ୍ପଦ ବିଭାଗ (FARD) ର କାର୍ଯ୍ୟକର୍ତ୍ତାଙ୍କ ମଧ୍ୟରେ ଦ୍ୱାରା ଉପାଦାନ ଏବଂ ସଂରକ୍ଷଣ ଦୃଷ୍ଟି କରିବାରେ ଲକ୍ଷ୍ୟପୂର୍ଣ୍ଣ କରିବା ପାଇଁ ଉଦ୍ଦିଷ୍ଟ ଥିଲା ।



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