

Institute Annual Report Material (1st Jan. 2022 to 31st Dec. 2022)

Trainings for Farmers / Farm Women and Rural youths

During this year 2022 a total of **43 trainings** were conducted in different thrust areas like 'Feeding and fodder management of livestock', 'INM in Rice', 'Mushroom cultivation for income generation', 'Household food security by nutritional gardening', 'Off-season Vegetable Cultivation', 'Scientific Poultry Rearing', 'Scientific methods of sheep and goat rearing, 'Mushroom Cultivation for income generation', 'Off Season Vegetable Cultivation', 'Propagation Techniques in Horticultural crops', 'Feed and fodder management of livestock', etc. by KVK Cuttack in different disciplines of Agriculture Viz. Home Science, Soil Science, Horticulture, Animal Science and Agro meteorology. **A total of 1075** farmers got benefited from the trainings.

Skill Development Trainings for Rural youths

During this year 2022 a total of **02** skill development trainings for rural youths were conducted by KVK Cuttack in different disciplines Horticulture, Soil Science, Home Science and Animal Science. **A total of 50** farmers got benefited from the trainings.

Table-1 Details of Skill Development Trainings for Rural youths conducted by KVK Cuttack.

Name of Training	Duration	Venue	Total
Propagation Techniques in Horticultural crops	5 Days	KVK Cuttack	25
Mushroom production for entrepreneurship development	3 Days	KVK Cuttack	25
Total			50

Trainings for Extension Functionaries

During this year 2022 a total of **01** extension **functionary trainings** were conducted. **A total of 25** farmers got benefited from the trainings.

Table-2 Details of extension functionaries trainings conducted by KVK Cuttack.

Name of Training	Duration	Venue	Total
Advances in sheep and goat management	5 Days	KVK Cuttack	25
Total			25

Sponsored Trainings

In this year a total of **04 sponsored skill development training** for farmer, farm women & rural youth sponsored by **National Bee Board, DAC& FW, Ministry of Agriculture and Farmers Welfare,**

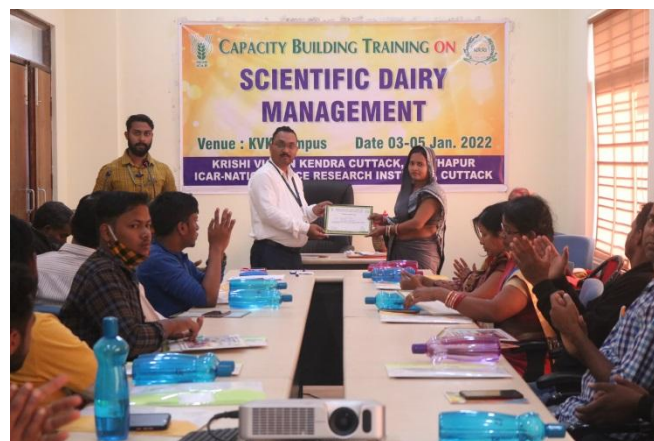
MANAGE & NFDB and ICAR were conducted by KVK Cuttack in different disciplines Horticulture and Animal Science. A total of 135 farmers and farm women got benefited from the trainings.

Table-3 Details of sponsored trainings conducted by KVK Cuttack under National Bee Board, MANAGE& NFDB and ICAR

Name of Training	Sponsored By	Venue	Total
Scientific Dairy Management	ICAR	KVK Cuttack	40
Scientific feeding management of livestock	ICAR	KVK Cuttack	40
Scientific Beekeeping	National Bee Board, DAC& FW, Ministry of Agriculture and Farmers Welfare	KVK Cuttack	25
Scientific feeding of fishes	MANAGE & NFDB	KVK Cuttack	30
Total			135

Capacity Building Training Programme on “*Scientific Dairy Management*”

KVK Cuttack organized a three-day capacity building program for 40 no. of dairy farmers, farmwomen and rural youth on ‘*Scientific Dairy Management*’ at KVK campus from January 03-05, 2022. Dr Ranjan Kumar Mohanta, SMS (Animal Science), the training coordinator discussed in details about different breeds of cattle, their selection, housing, feeding, breeding and management skills. Importance was also given to clean milk production technology, diseases of dairy cattle and need of vaccination and deworming at regular intervals. Demonstration was conducted on how to prepare balanced feed and how ruminant feeding is different from that of poultry, human being and pigs to facilitate optimal production. The participants were advocated for use of learned technologies for economic gain.



Glimpses of Training on Scientific Dairy Management

Capacity Building Programme on “Scientific feeding management of livestock”

KVK Cuttack organized a three-day capacity building program for 40 no. of dairy farmers, farmwomen and rural youth on ‘*Scientific feeding management of livestock*’ at KVK campus from February 26-28, 2022. Participants from Banki, Cuttack Sadar, Mahanga, Salipur, Nischintakoli and Tangi-Choudwar took part in this program. Dr Ranjan Kumar Mohanta, SMS (Animal Science), the training coordinator discussed in details about different breeds of cattle, their selection, housing, feeding, breeding and management skills. Importance was also given to clean milk production technology, diseases of dairy cattle and need of vaccination and deworming at regular intervals. Demonstration was conducted on how to prepare balanced feed and how ruminant feeding is different from that of poultry, human being and pigs to facilitate optimal production. Dr Sujata Sethy, OIC, KVK Cuttack distributed the certificates and advised the participants for use of learned technologies.



Glimpses of Training on ‘Scientific feeding management of livestock’

Capacity Building Training Programme on Scientific Beekeeping

KVK Cuttack organized 3rd batch of 7-days capacity building training programme on “*Scientific Beekeeping*” at KVK Campus, Santhapur from March 11-17, 2022. The training was sponsored by National Bee Board, DAC&FW, Ministry of Agriculture and Farmers’ Welfare, Govt of India. A total of 25 farmers/beekeepers in Cuttack district participated in the programme. The training coordinator, Dr Tusar Ranjan Sahoo of KVK designed the course plan and invited resource persons from OUAT and different private enterprises for delivering the lectures in the above programme. Meanwhile the participants also learned the hands-on training on Honeybee colony management inside the campus itself. They got chance to have an exposure visit to Regional Coconut Research Station, Sakhigopal, Puri. The trainees were trained on classification of Bees, identification of Honeybee box and accessories, colony management, seasonal management, honey extraction and disease pest management and their practical aspects very well. In the valedictory session, Dr Tusar Ranjan Sahoo, briefed about the proceedings and Dr Sujata Sethy, OIC, KVK discussed about KVK support in entrepreneurship development in Cuttack district. All participants received the certificates from dignitaries. Dr Dillip Ranjan Sarangi (SMS, Soil

Science), Dr Ranjan Kumar Mohanta (SMS, Animal Science) and Shri Debasish Jena (SMS, Agrometeorology) supported and coordinated the programme. KVK staff, Mr Prasant Pradhan, Mr Satya Ranjan Rout and MrKshirod Pradhan assisted in conducting technical session of the programme.



Glimpses of Training on “Scientific Beekeeping”

Capacity Building Training programme on “Scientific feeding of fishes”

KVK Cuttack organized a five-day capacity building program for 30 no. of farmers, farmwomen and rural youth belonging to SC community on ‘*Scientific feeding of fishes*’ at KVK campus from 03-07 March, 2022 in collaboration with MANAGE, Hyderabad. Dr (Mrs) Padmini Swain, Director (I/C), National Rice Research Institute, Cuttack inaugurated the capacity building program in the presence of Dr GAK Kumar, Nodal Officer, KVK and Head, Social Science Division, NRRI along with Dr Sujata Sethy, Head, KVK Cuttack. Dr Ranjan Kumar Mohanta, SMS (Animal Science), the training coordinator discussed in details about the basics of fish and fish farming, their selection, important feeds, feeding and management skills. An exposure visit was arranged to Central Institute for Fish and Aquaculture where the participants learnt ornamental fisheries and how to prepare fish feed from Dr SK Swain, Director, CIFA and Dr KC Das, Principal Scientist, Fish Nutrition and in charge, Feed Mill along with demonstration on Biofloc Technology and different Fishery breeding units of CIFA. Additional District Fishery Officer, Mrs Ittishree Rath discussed about the different Government schemes along with distributing the certificates to participants during the valedictory function. Participants from Mahanga, Salipur, Nischintakoli and Tangi-Choudwar took part in this program sponsored by National Fish Development Board under Pradhanmantri Matsya Sampad Yojana.



Glimpses of Training on ‘Scientific feeding of fishes’

Capacity Building Programme on "Advances in sheep and goat management"

KrishiVigyan Kendra Cuttack successfully organized a 5-day training program for 25-grassroot level extension functionaries named Pranimitras from Banki and Tangi-Choudwar block of Cuttack district on “*Advances in sheep and goat management*” at KVK campus, Santhapur from August 01-05, 2022. In this training program, the pranimitras learned about different practical problems and how to work in the field keeping need of field situations. The training coordinator, Dr RanjanKumar Mohanta, SMS (Animal Science), imparted training to the participants to address the common problems faced by the animal owners about internal and external parasites, balanced feed preparation from local feed ingredients, common housing system for better production and reproduction parameters. They learnt about the basics and applied aspects of administering oral and injectable medicines. Dr Padmini Swain, Director (I/C), National Rice Research Institute, Cuttack advised the trainees to utilize the knowledge and skill gained during the training during the valedictory session along with distribution of certificates. Dr MJ Baig, Pnincipal Scientist, NRRI, Cuttack, encouraged the participants to serve the mute animals and the rural people. Dr.SujataSethy, OIC, KVK Cuttack welcomed the trainees and Dr DillipRanjanSarangi, SMS (Soil Science), offered the vote of thanks.



Glimpses of Training on “Advances in sheep and goat management”

Training for Rural Youth on “Propagation Techniques in Horticultural crops”

KrishiVigyan Kendra Cuttack successfully organized a 5-day training program for rural youth on “Propagation Techniques in Horticultural crops” at KVK campus, Santhapur from 26.8.22 to 30.8.22. In this training program, 25 no. of rural youth from 3 blocks of Cuttack district took part and learned about different techniques of propagation like cutting, grafting, budding and gooty making. Dr. Tusar Ranjan Sahoo, SMS (Horticulture), as training coordinator, imparted both theory and practical classes for their better understanding of skill development in the nursery business. All participants consistently attended practical lessons from 3-5 PM during the session to keep up with their practical learning. They were all given a practical skill evaluation test at the end of the fourth day of training. All rural youths were trained on graft making in Mango, gooty making in Guava, soft wood cutting in flowering plants and budding in rose for means of commercial propagation techniques. During the valedictory session, Sri Soumendra Panigrahi, DDH, Cuttack, encouraged the rural young participants to take advantage of the government's nursery business scheme in the Cuttack district. Dr. Sujata Sethy, OIC, KVK Cuttack, urged the young participants to use KVK technology to enhance their knowledge and abilities to create their own enterprises. The chief guest presented certificates to the participants. Dr. Dillip Ranjan Sarangi, SMS (Soil Science), assisted in the program's execution. The training program ended with vote of thanks by Sri Debasish Jena, SMS (Agro-meteorology).



Glimpses of Training on “Propagation Techniques in Horticultural crops”

Skill Training Programme on “Mushroom Production for entrepreneurship development” for Rural Youth

KVK Cuttack organized a five-day skill training for 25 no. of rural youth on ‘Mushroom production for entrepreneurship development’ at KVK campus from September 5-9, 2022. Youths from different blocks like Salepur, Tangi-choudwar, Mahanga and Nischintakoili attended the training programme. Rural youth were trained by training coordinator Dr. Sujata Sethy, SMS (Home Science)-cum-OIC, KVK Cuttack about the cultivation procedure of paddy straw and oyster mushroom, disease pest and off-season management practices establishment of mushroom production unit and value addition of oyster

mushroom. The participants also demonstrated practical oriented skill training related to raising of mushroom beds and establishment of mushroom units through on-campus demonstration. Fifteen Rural Youths from the training have already set up entrepreneurial units of mushroom with the help of KVK Cuttack intervention for income generation.



Glimpses of Training on “Mushroom Production for entrepreneurship development”

Training-cum farmers’ fair on “Small farm equipment repairing and maintenance”.

A training-cum-farmers fair was organized on 16.03.2022 at KVK Cuttack, Santhapur campus including 50 progressive farmers of the district. The programme was designed to have a capacity building among the farmers regarding the repairing and maintenance of small farm equipment at their place. Dr S K Swain, Professor, CAET, OUAT, Bhubaneswar participated in the programme as master trainer and took theoretical as well as practical class on the topic. A progressive farmer from Nimapara of Puri district was also invited to share his experience regarding farm mechanization. The farmers have hands on session on repairing of small equipment’s like Power tiller, Power sprayer and Knapsack sprayer etc. Dr S Sethy, OIC KVK gave the welcome address and Dr D R Sarangi, Coordinator of the programme gave brief introduction about the programme. Dr T R Sahoo gave vote of thanks and Mr D Jena, SMS, Agrometeorology hosted the event. At the end farmers had an interaction with the expert panel and happy to know minimal repairing and maintenance of their farm equipment.



Glimpses of Training-cum farmers’ fair on “Small farm equipment repairing and maintenance”

Seminar-cum-awareness campaign on ‘World Pulse Day’

A seminar-cum-awareness campaign was carried out on ‘World Pulse Day’ on February 10, 2022 to educate the grassroots level extension officers of the district in virtual mode. In the beginning, Dr D R Sarangi, Chairman, organizing committee welcomed the distinguished speakers and participants. Dr S Sahoo, Dean of Research, OUAT, Bhubaneswar and an eminent pulse scientist, gave a brief description on pulse varieties and their cultivation methods. Dr S K Swain, Professor, CAET, OUAT Bhubaneswar delivered a talk on ‘*Scope of farm mechanization for small and marginal farmers especially for pulse crop*’. Dr S Sethi, OIC KVK gave a lecture on ‘*Pulse and Nutrition*’. In the awareness drive, Director, ICAR-NRRI, Dr Padmini Swain, Nodal Officer, KVK Cuttack, Dr G A K Kumar, Dr S Sethy, OIC, KVK, Dr DR Sarangi, Chairman, Organising committee, Dr R K Mohanta and Dr TR Sahoo participated and enlightened the participant about different aspects of pulse on human and animal health. In the session around 70 officials from Department of Agriculture Govt of Odisha and ATMA Cuttack took part.

Farmers’ Awareness Programme on ‘Natural Farming’

A farmer’s awareness programme was organized by KVK Cuttack, Santhapur at FIAC building of Narasinghpur block. Narasinghpur block being a rainfed block was selected for the activity. Fifty progressive farmers, ATMA field functionaries, Block agriculture officer and VAWs of the block participated in the programme. Dr S Sethy, OIC, KVK shared her idea about the importance of the programme and KVK as a whole to the participating farmers. Dr D R Sarangi, the convener of the programme presented a detailed idea about the Natural Farming and its benefit over high-end chemical fertilizer. Mr D Jena delivered a talk on ‘*Water Management in Natural Farming*’. The Block Agriculture Officer, Narasinghpur offered the welcome address. An interaction session was organized to address the queries of farmers. The feedback was recorded by Mr P Pradhan about Natural Farming.



Glimpses of Awareness Programme on ‘Natural Farming’

Seminar on “Agromet services playing a catalytic role in doubling farmer income”

A farmer’s seminar on “*Agromet services playing a catalytic role in doubling farmers income*” was organised by District Agromet unit, Krishi Vigyan Kendra, ICAR-NRRI, CUTTACK, Odisha on 03.03.2022 at KVK Cuttack campus. Dr Padmini Swain, Director, ICAR-NRRI, Cuttack, Dr Kripan Ghosh (Virtually present), Scientist-F & Head, Agrimet div., Pune, Dr HR Biswas, Scientist-E & Head,

MC-IMD, BBSR, Dr Anupama Baliarsingh, Prof.(Agronomy), OUAT, Dr GAK Kumar, Head, SSD & Principal Scientist, NRRI, Dr SD Mohapatra, Principal Scientist, Crop Protection Division, NRRI, Cuttack, Sri Umasankar Das, Scientist-C, MC-IMD, BBSR, Dr Sujata Sethy, OIC, KVK, Cuttack and other delegates and scientist/experts from KVK and around 100 farmers of Cuttack district attended the seminar. The seminar sensitized the farmer about the importance of Agromet Services and role of weather forecast in agriculture and empower the farming community to adopt to climate change in agriculture and allied sectors.



Glimpses of “Agromet services playing a catalytic role in doubling farmer income”

Field Day on Groundnut CFLD-OILSEED (Rabi 2021-22)

KVK Cuttack organized a field day on Groundnut CFLD-OILSEED for Rabi 2021-22 at Naranpur village, Badamba on March 07, 2022. The aim of the programme was to showcase the technological interventions suitable for higher production and productivity in Groundnut to the farmers and line department officials. Earlier, KVK had conducted Cluster Frontline Demonstration OILSEED on Groundnut for 10 ha in one cluster at village Naranpur, Badamba, Cuttack. During the programme, KVK had provided input supports like secondary nutrients, micronutrients and plant protection chemicals for successful conduction of the demonstration. When groundnut harvesting stage arrived, KVK organized a Field Day on Groundnut for showcasing the technological intervention on Groundnut. During the programme 100 farmers and farm women attended the meeting. Among others KVK experts & staff, Badamba OLM officials, ATMA staff and VAWs of line department were present. While addressing, nodal officer of CFLD-OILSEED, Dr Tusar Ranjan Sahoo, briefed about the technological interventions those impacted a lot. Farmers also expressed their feedback on visible impact of applying Calbor (Ca fertilizer) & Sulphur mill (S-90%) increasing 30% more pod production. Shri Debasish Jena, SMS (Agrometeorology) urged all stakeholders for proper utilization of inputs to overcome climatic hazards during cultivation. Farmers appreciated the plant protection measures like use of Hexaconazole against root rot disease and promised to adopt that. KVK staff Mr Prasant Pradhan coordinated the programme.



Glimpses of “Field Day on Groundnut”

Farmers' Fair under “Kisan Vagidari Prathamikata Hamari”

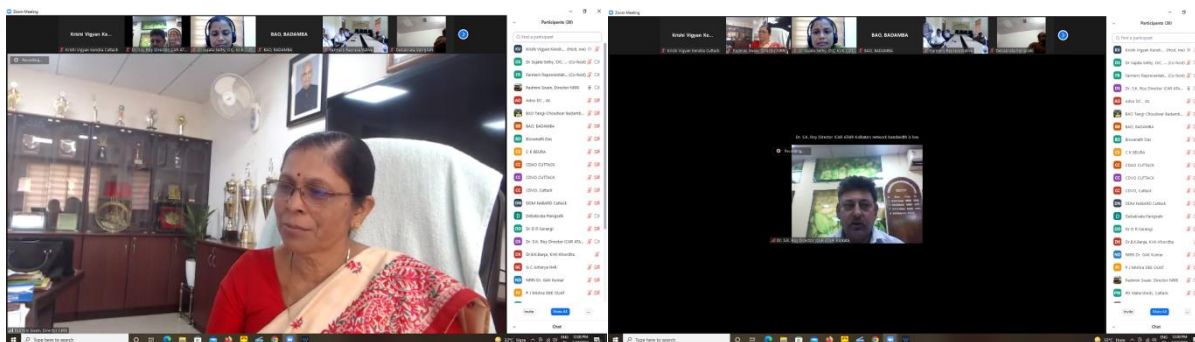
KVK Cuttack organized a Farmers’ Fair on 26.04.2022 at Conference Hall of ICAR-NRRI, Cuttack under the programme National Campaign under Azadi Ka Amrit Mahotsav “Bharatiya Prakritik Krishi Paddhati”. It was chaired by Dr. G A K Kumar, Director (I/c), ICAR-NRRI, Cuttack who highlighted about the importance of natural farming for sustainable development in farming system. Representative of CDAO, Cuttack, Sri Sarat Kumar Tosh, the guest of honour encouraged the farmers to form FPOs for better economic return. Dr. Sujata Sethy, OIC, KVK Cuttack welcomed all the guests, participants and briefed about importance of the programme. Under Farmer-Scientist Interaction on “Bharatiya Prakritik Krishi Paddhati”, Dr. DR Sarangi, Dr. TR Sahoo, Dr. RK Mohanta and Sri Debasish Jena delivered interactive lectures on “*Natural Farming a step towards sustainability*”, “*Organic disease and pest management*”, “*Role of livestock and poultry in natural farming*” and “*Efficient water and soil moisture management*”. Two young Agri-startups namely Ms. Chinmayee Patra and Mr. Satyabrata Jena shared their entrepreneurial idea among the farmers and appeal all to join them for more income and profit from agriculture. Around 200 farmers from 10 blocks of Cuttack district participated in the Kisan Mela 2022 and sensitized about the benefit of natural farming and bio-fortified crops. Farmers visited the stalls arranged in the exhibitions and inquired about new technologies related to millets, value addition and natural farming.



Glimpses of “Farmers' Fair under “Kisan Vagidari Prathamikata Hamari”

23rd Scientific Advisory Committee Meeting of KVK Cuttack

The 23rd Scientific Advisory Committee (SAC) meeting of Krishi Vigyan Kendra Cuttack was held on 19.05.2022 at in hybrid mode through Zoom App under the Chairmanship of Dr (Mrs) Padmini Swain, Director, ICAR-NRRI, Cuttack. SAC members comprising of Director, ATARI, Dean, Extension Education, OUAT, line department officials, nearby research institutes, RRTTS, farmers' representatives, farm women representatives, ring KVK partners and Dr Sujata Sethy, OIC, KVK Cuttack & Member Secretary and officers from line department and progressive farmers attended the SAC meeting. Dr. Sujata Sethy, OIC, KVK Cuttack welcomed the Chairman and other members. After introduction of the members and invitees (35 nos), the Chairman took up the proceedings as per agenda. Dr Sujata Sethy presented the achievements of KVK Cuttack for the period from April 2021 to March 2022 and action taken report along with the action plan for 2022-23. It was followed by discussion related to the presentation. In course of presentation, the Chairman and other members provided their valuable suggestions. In the concluding part of the meeting the overall suggestions of the Chairman, Nodal Officer and other members were recorded for taking appropriate actions. Dr D. R. Sarangi, SMS (Soil Science) extended the vote of thanks to the dignitaries and members of the SAC. KVK experts, Dr T.R. Sahoo, Dr R.K. Mohanta, Sri D. Jena and other officials coordinated the programme.



Glimpses of “Farmers' Fair under “Kisan Vagidari Prathamikata Hamari”

GaribKalyanSammelan

KVK Cuttack organized farmers' fair on 30.05.2022 at KVK campus, Santhapur under the programme “GaribKalyanSammelan”. Chief District Agriculture Officer, Cuttack Sri Niranjn Das, attended the occasion as guest of honour who encouraged the farmers to work through co-operation for getting the maximum benefit of Government of India programme. Sri Suresh Malick, DPD ATMA, Cuttack addressed the farmers and motivated them to accept IFS models for securing their income and maximise the output in comparison to input. Dr DR Sarangi, Nodal Officer & SMS, Soil Science, KVK Cuttack welcomed all the guests, participants and briefed about the programme. He also delivered a talk on “*Seed Treatment and Integrated Nutrient Management*”, whereas Dr TR Sahoo, SMS(Horticulture) delivered talk on “*Horticultural crop for doubling farmers income*”. Dr RK Mohanta, SMS (Animal Sci.) briefed about “*Role of livestock and poultry in income generation*”. Around 572 farmers from 9 blocks of Cuttack district participated in the Sammelan and were sensitized about the

benefit of natural farming and bio-fortified crops. Live web casting of the program of Hon'ble Prime Minister and Minister of Agriculture were broadcasted for the participating farmers. Mr P Pradhan (Computer programmer) and other staff of KVK co-ordinated the programme.



Glimpses of “GaribKalyanSammelan”

Awareness Programme on 'Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act

An awareness Programme on 'Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act 2001, Biological Diversity Act (BDA) 2002 and conservation and cultivation of Indigenous/Aromatic Rice Varieties' was organized by the ITMU of ICAR-NRRI in collaboration with KVK Cuttack under the auspices of Intellectual Property & Technology Management (IPTM) unit of ICAR on 16th June, 2022 under the Chairmanship of Dr Padmini Swain, Director, ICAR-NRRI, Cuttack. Dr Sujata Sethy, Officer-in-Charge, KVK Cuttack welcomed the delegates and participants followed by the address of Dr GAK Kumar, Head SSD and PI, ITMU & ABI Centre. Dr BC Patra, Head, Crop Improvement Division & I/c ITMU, ICAR-NRRI, Cuttack highlighted about Protection of Plant Varieties and Farmers Rights (PPV&FR) Act, 2001. Dr Subhansu Kumar Nayak, Odisha Biodiversity Board, Regional Plant Resource Centre, Bhubaneswar talked about the Biological Diversity Act (BDA) 2002 and Dr Sutapa Sarkar, Senior Scientist, Crop Improvement Division, ICAR-NRRI, Cuttack delivered a lecture on Conservation and cultivation of indigenous and aromatic rice varieties. About 100 participants including farmers and farmwomen attended the programme from different blocks of Cuttack district.

International Yoga Day

KVK Cuttack organized a program on “International Day of Yoga” on its campus at Santhapur, Cuttack on 21.06.2022 with its staff and ten farmers from nearby villages. Dr Sujata Sethy, OIC, KVK and Nodal Officer, Yoga discussed the importance of different yoga asana and pranayama in day-to-day life along with its impact of health and present-day context. She further demonstrated some asana and pranayama which were being followed by the participants. She also stressed on the stress relieving effects of Yoga.



Glimpses of “International Yoga Day”

Stakeholders Meet on ‘Value Chain Nutrition’

A stakeholders meet on ‘Value-Chain Nutrition’ was organized by KVK, ICAR-NRRI, Cuttack on 27 June, 2022 for “Apprising the importance of fish for human nutrition and plan for a field study” under World Fish Project, i.e. WFC-ICAR W3 (CGIAR sponsored) project with involvement of officials from NRRI, CIFT, KVK Cuttack, ICDS, Health Department and District administration for discussion about the product intervention study. On the occasion, Dr A. K. Mohanty, Head, Division of Extension, Information and Statistics, ICAR-CIFT, Kerala presented the work done under the World Fish Project and objectives of the meeting followed by a discussion among participants and outcome of plausible remarks and recommendations which were further discussed. Director, ICAR-NRRI, Cuttack and Chairperson of this meet, Dr. Padmini Swain, appreciated the work done by ICAR-CIFT in collaboration with KVK Cuttack as a stakeholder for improving the health and nutrition of adolescent girls, pregnant and lactating mothers of the district and mentioned that involvement of each and every stakeholder is very much essential for success of this research project. Dr. GAK Kumar, Head SSD, ICAR-NRRI welcomed the dignitaries and Dr Sujata Sethy, OIC, KVK Cuttack proposed vote of thanks to all the dignitaries.



Glimpses of Stakeholders Meet on ‘Value Chain Nutrition’

Awareness Programme on Fish Nutrition under World Fish Project

An awareness-cum-Demonstration Programme on “*Inclusion of Fish in Daily Diet for Health Promotion*” under World Fish Project, i.e. WFC-ICAR W3 (CGIAR sponsored) was organized by KVK, ICAR-NRRI, Cuttack on 29 June, 2022 involving 100 participants including students, adolescent girls, pregnant and lactating women and officials from NRRI, CIFT, KVK Cuttack, CRRI High School, Food processing start-ups, Health Department and Mission Shakti at NRRI campus. The Programme was chaired by Dr Padmini Swain, Director, ICAR-NRRI, Cuttack. On the occasion, Dr A. K. Mohanty, Head, Division of Extension, Information and Statistics, ICAR-CIFT, Kerala delivered lecture on the work done under the World Fish Project and importance of fish for health promotion. Dr JogeswarPani, Medical Officer of CRRI dispensary also discussed about the prevailing nutritional status of women and adolescent girls and made the participants understand how this project will be helpful in improving their health and nutritional status. The meeting was followed by an interaction of participants regarding different aspects of fish value added products and their inclusion in daily diet. Director, ICAR-NRRI, Cuttack and Chairperson of this programme Dr. Padmini Swain, appreciated the work done by ICAR-CIFT in collaboration with KVK, ICAR-NRRI, Cuttack as a stakeholder for improving the health and nutrition of adolescent girls, pregnant and lactating mothers of the district and advice the students and adolescent girls to take fish and fish products daily with other foods for overall health development. She also emphasized on submitting a proposal to the govt. to include this value added product in the Mid-Day Meal programme of ICDS and Education Department. Dr. GAK Kumar, Head SSD, ICAR-NRRI welcomed the dignitaries and emphasized on the market linkage establishment and policy implication to make the practice of dry fish inclusion for human nutrition more sustainable. Dr Sujata Sethy, OIC, KVK Cuttack proposed vote of thanks. A demonstration was also conducted on ‘*Preparation of dry fish powder incorporated food products*’ in the form of various types of local recipes namely, Dry Fish Chutney, Dry Fish Rai, Dry Fish Ghanta for assessing the taste and acceptability of the participants, so that the intervention study can be taken up smoothly.



Glimpses of Awareness Programme on Fish Nutrition under World Fish Project

World Milk Day celebrated to spread awareness about the wonder food

An awareness programme was conducted on the wonder food milk by KVK Cuttack at Bhagatpur village of Tangi-Choudwar block on June 1, 2022 involving 110 participants including children, women and farmers. Dr Ranjan Kumar Mohanta, SMS (Animal Science) discussed about the importance of milk in our day to day life along with its role in ensuring food and nutritional security of the rural community especially the women and children. The importance of colostrum was also discussed particularly its role in postnatal health and immunity of the children. Besides the clean milking procedures for milking of cows was also discussed for getting quality milk. The participants savored the boiled milk distributed on the occasion. Mrs Archana Bej, Mrs Mamata Sahoo and Sri Ranjit Rout coordinated the programme.



Glimpses of “World Milk Day”

World Zoonosis Day Awareness Campaign-cum-Animal Health & Rabies Vaccination Camp

KVK Cuttack celebrated World Zoonosis Day in collaboration with Department of Animal Husbandry and Veterinary Services, Govt. of Odisha on July 06, 2022 by organizing an Awareness Campaign-cum-Animal Health & Rabies Vaccination Campaign at Jharkata village of Cuttack district. On this occasion urea treatment of straw was demonstrated along with treatment of animals in the animal health camp. Anti-rabies vaccine was administered to the local pets in addition to the awareness campaign about zoonotic diseases at Jharkata UP School. The programme was chaired by Dr. Prafulla Das, Joint Director, Animal Disease Research Institute, Cuttack who briefed about different zoonotic diseases and how to prevent them. Deputy Director, Dr Debadatta Padhi made aware about the Zoonoses and how they affect the human health. Dr RK Mohanta, SMS (Animal Science), KVK Cuttack elaborated on the Zoonotic diseases and conducted a quiz for the school children. Assistant Fodder Development Officer, Bidhubhusan Jena demonstrated urea treatment of straw for feeding the dairy cows. Local Medical Officer, Dr Ramesh Das, made the children understand about the prevention aspects of disease

communicated from animals to human being. Dr Chinmay Kumar Bhuyan, VAS Kalapada offered the vote of thanks.

National campaign on “PoshanAbhiyanand Tree Plantation”

KVK Cuttack organized an Awareness-cum-Capacity development programme in collaboration with IFFCO on the occasion of **National campaign on PoshanAbhiyanand tree plantation** on September 17, 2022 at KVK Cuttack, Santhapur campus for farmers, farmwomen and other stakeholders of Cuttack district on various aspects of nutri-cereals, biofortified crops and sustainable agriculture to address malnutrition by bringing change in the food systems through different interventions. The programme was chaired by Dr. S Sethy, Head KVK, Cuttack. About 60 participants were joined the programme where farmers and farmwomen were trained on *Role of nutri-cereals in human health* by Dr RK Mohanta, SMS (Animal Science), *Value addition and product development of nutri-cereals* by Dr S. Sethy, SMS (Home Science), *Types of Nutri-cereals and scope of cultivating nutri-cereals in Cuttack* by Dr DR Sarangi, SMS (Soil Science) and *Role of plantation on sustainable agriculture & rural livelihood* by Dr TR Sahoo, SMS (Horticulture). Sri Debasis Jena, SMS (Agrometeorology) coordinated the programme. Hundred vegetable seed kits supplied by IFFCO were distributed among the participants.



Glimpses of National campaign on “PoshanAbhiyanand Tree Plantation”

World Rabies Day Awareness Campaign

KVK Cuttack organized an awareness campaign on rabies and rabies awareness quizzes in different schools and colleges of Cuttack district covering about 3500 school children. Rabies, a disease that is 100% fatal after clinical signs appear but is 100% curable if vaccinated after post-exposure. Around 60000 people succumb to rabies annually out of which 40% are children. The dog-bite wound has to be washed in mild soap for about 15 minutes after bitten by rabid animal. The viral disease affects the brain and travels through the nervous system before moving to saliva and infecting people. The affected people fear water and other liquids as they are unable to drink due to muscle spasm and many times show neural signs. Dr Ranjan Kumar Mohanta conducted the quiz competition among children of schools and colleges along with discussing elaborately about the graveness of the disease and steps to be taken to prevent the disease. Dr. S Sethy, Head, KVK, Cuttack and Headmaster/ headmistress distributed the prizes

to the winners. Students from Auroshree Institute of Pharmacy Education and Research, Kadei, Mahanta Bidyapitha, Ucchapada, Siddhagiri Bidyapitha, Govindpur, Nuabazar High School, Cuttack, CRRI High School, Bidyadharpur, Bidyadharpur Girls High School, Global Indian Model School, Gopinathpur High School, Sri Aurobindo Institute for Integral Education, Gopinathpur, SaiSaraswati BidyaMandir, Gopinathpur, Ucchapada UP School, Kadei UP School and Bidyadharpur Nodal UP School participated actively in these programs. Sri Arabinda Bisoi and Ranjit Rout coordinated the program.



Glimpses of “World Rabies Day Awareness Campaign”

Field Day on CFLD -OILSEED (Groundnut) Kharif 2022-23

KVK Cuttack organized a field day on groundnut under CFLD-Oilseed for Kharif at Kanpur village, Narasinghpur on October 7, 2022, with an aim to showcase the technological interventions suitable for higher production and productivity in groundnut to the farmers and line department officials. Earlier, KVK had conducted Cluster Frontline Demonstration Oilseed on groundnut for 20 ha in one cluster at village Kanpur, Narasinghpur, Cuttack. During the program, KVK had provided all input supports like secondary nutrients, micronutrients and plant protection chemicals for successful conduction of the demonstration. When groundnut harvesting stage arrived, a field day on groundnut was organised by KVK to demonstrate the technological intervention on Groundnut. There were 100 farmers and farm women present, along with KVK experts and staff, Narasinghpur OLM officials, ATMA staff, and VAWs from the line department. Nodal officer for CFLD-Oilseed, Dr. Tusar Ranjan Sahoo, gave a brief overview of the technological advancements that had a significant impact. Farmers also reported that 30% more pods and pod weight were produced by using Calbor (Ca fertiliser) and Sulphur mill (S-90%). Shri Mahendra, BPM, Narasinghpur urged all stakeholders to use the proper inputs for increased productivity. All farmers expressed their appreciation for the plant protection techniques, such as the use of hexaconazole to combat root rot disease, and their intention to use them. Mr Prasant Pradhan coordinated the program.



Glimpses of Field Day on “CFLD -OILSEED (Groundnut)”

Programme on “Formation & promotion of honey producer group”

In view of Formation and Promotion of Honey Producer Group under SCSP, Krishi Vigyan Kendra Cuttack organized one inaugural program inside KVK premises on October 13, 2022. A total of 33 PG members from “Swagatika Honey Producer Group” attended the program. This Producer Group was initiated and formed by KVK Cuttack in the month of June 2022. The inaugural program was organized by Dr Tusar Ranjan Sahoo, SMS (Horticulture) to promote scientific beekeeping among farm women under Scheduled Castes Sub Plan (SCSP). He gave a technical presentation about the scope and significance of beekeeping in Odisha at the beginning of the event. Dr. Sujata Sethy, OIC, KVK Cuttack then led a discussion among the PG members about their group activities. In the inaugural session, Dr Dillip Ranjan Sarangi SMS (Soil Science) welcomed the guests. Mrs. Sarojini Mohanty BPM, OLM, Tangi-Choudwar briefed about the initiation, formation and bank linkage of Swagatika Honey Producer Group for honey production in cluster approach. All group members were inspired by Mrs. Swagatika Parida, DPC/DPM, Mission Shakti, Cuttack to implement scientific honey production in group basis successfully. Shri Bipin Rout, Joint CEO, ORMAS (PR&DW Department), Cuttack supported KVK's efforts to begin honey production in a collective manner and gave everyone the assurance that plans would be made for honey marketing on a large scale. For successful large-scale beekeeping, Mrs. Praxima Parida, DDM, NABARD, Cuttack put an emphasis on young entrepreneurship development and credit linkage in rural sector. Dr. Sujata Sethy, OIC, KVK Cuttack, asked everyone to lend a helping hand during beekeeping and inspired everyone for large scale honey production in Cuttack district. Dr. Ranjan Kumar Mohanta SMS (Animal Science) offered the vote of thanks. The program was moderated by Shri Debasish Jena, SMS, Agrometeorology.



Glimpses of “Formation & promotion of honey producer group”

World Egg Day

Egg is a wonder food providing 6-7 gram of high-quality protein and 14 essential nutrients. It is a rich source of nine essential amino acids, essential fatty acids, calcium, phosphorus, choline, folate, vitamin A, B and D, iron, zinc, selenium and many more nutrients. KVK Cuttack celebrated World Egg Day on 14th October 2022 in CRRI High School, Agrahat Primary School and Agrahat village. Three awareness

programs were conducted to familiarize with the facts about the egg where 252 children, school staff and farm women actively participated. Dr Ranjan Kumar Mohanta, SMS (Animal Science) and organizer of the event discussed on role of eggs as superfood, its role in ensuring food and nutritional security and tips on poultry rearing through interactive mode. Smt. Sagarika Bal, Head Mistress, CRRI High School, advocated for the use of egg for its quality and quantity attributes. Sri Ksheerod Pradhan, Smt Dharitree Sahoo, Itishree Nayak, Binati Behera and staff of concerned schools led by Ashisha Kumar Sethy helped in organizing the program.



Glimpses of “World Egg Day”

Mahila Kisan Divas

KVK, Cuttack celebrated Mahila Kisan Divas 2022 at Rangunathpur, Mohuravillage, Cuttack Sadar Block of Cuttack District on October 15, 2022. A total of 52 farmwomen participated in the program. Dr Sujata Sethy, OIC, KVK and organizing secretary of the program briefed about the importance of Mahila Kisan Divas and elaborated about the role of women in the agriculture and allied sectors. She further discussed about the women empowerment through women self-help groups. Dr Ranjan Kumar Mohanta and Sri Debasish Jena interacted with the participants and discussed about their role in ensuring a healthy family along with securing livelihood security. Sri Prasant Pradhan and other KVK staffs helped in coordination of the event.



Glimpses of “Mahila Kisan Divas”

World Food Day

Krishi Vigyan Kendra, Cuttack celebrated World Food Day 2022 at Rangunathpur, Mohuravillage, Tangi-Choudwar Block of Cuttack District on October 16, 2022. The Theme was based on “Leave no one behind” one that very well resonates with the need of the hour to fight hunger and step-up efforts of food grain production along with minimizing the food wastage. A total of 58 participants including farmers, farmwomen and invited guests were actively participated during the program. Dr Ranjan Kumar Mohanta, SMS (Animal Science) briefed the participants about how food and nutrients play a major role in determining our health status. He also threw light on the healthy eating habits and how every small action by us in terms of kitchen garden and minimization of food wastage to ensure food for all. Dr Sujata Sethy, OIC, KVK requested all participants for adopting kitchen garden and ensuring safe and healthy food for improving nutritional security for own family.



Glimpses of “World Food Day”

PM Kisan Sammelan

On October 17, 2022, PM Kisan Sammelan program was conducted at KVK campus involving about 35 farmers and guests organized by KVK Cuttack. A farmer-scientist interaction was done to solve the problems of farmers along with live webcasting of PM Kisan event for dedication of PM Kisan amount to the beneficiaries accounts by Hon’ PM Sri Narendra Modi. On this occasion, Dr Biswajit Mondal, Principal Scientist, NRRI, Cuttack released an extension bulletin on “Rabies: Causes and Precautions” for creating awareness on the dreaded disease. He urged the participants to take the benefits of Government Schemes and programs for their economic and social gain. Dr Sujata Sethy, OIC and all Specialists of KVK Cuttack participated in the farmer scientist interaction for clearing their doubts and distributed saplings and vegetable seeds among the farmers.



Glimpses of “PM Kisan Sammelan”

Awareness Campaign on “Natural Farming”

KVK, ICAR-NRRI, Cuttack conducted three awareness campaigns on “Natural Farming” at Kankali-Jamena, Shankarpur and Sundarda villages of Cuttack district on 7, 9 and 15 December 2022. A total of 150 participants including Farmers and Farmwomen, Krishimitras, Pranimitras and invited guests were actively participated during the programs. Dr Dillip Ranjan Sarangi, SMS (Soil Science) and PI of the project briefed about the importance of natural farming, Jeevamruta, Beejamrut, and how it can improve the soil fertility and sustainability. Dr Tusar Ranjan Sahoo, SMS (Horticulture) emphasized on the need of using good agricultural practices and various formulations for controlling various pests and diseases for sustainable food production. Dr Ranjan Kumar Mohanta, SMS (Animal Science) described about the importance of using animal manure for filling up organic carbon content of the soil and as nutrient source. Summarizing all points, Dr Sujata Sethy, OIC, KVK requested all participants to adopt natural farming techniques for successful soil health management.



Glimpses of Awareness Campaign on “Natural Farming”

World Soil Day

Krishi Vigyan Kendra, ICAR-NRRI, Cuttack celebrated World Soil Day 2022 at Mangarajpur village, Tangi-Choudwar Block of Cuttack District on December 5, 2022. The Theme was based on “Soils, Where Food Begins”. A total of 60 participants including Farmers and Farmwomen, Krishimitras, Pranimitras and invited guests were actively participated during the program. At the outset, an awareness quiz program was organized on Soil Health and Natural Farming among participants by Dr Ranjan Kumar

Mohanta. Dr. Tusar Ranjan Sahoo, SMS (Horticulture) and organizing secretary of the program briefed about the importance of World Soil Day 2022. Mrs. Sarojini Mohanty, BPM, Odisha Livelihood Mission, emphasized that soil testing should be available at every farm family's doorstep. Mrs. Sanghamitra Behera, AHO, Tangi-Choudwar emphasized on mulching, good agricultural practices and in-situ composting methods are effective gardening strategies that prevent soil deterioration. Shri Kulamani Barik, BAO, Tangi-Choudwar urged upon to use Jeevamruta, Beejamrut, like natural farming techniques for sustainable food production. Local Sarpanch Shri Debendranath Panda highlighted the importance of use of neem cake and other organic soil health management techniques for sustainable food production. Summarizing all points, Dr. Sujata Sethy, OIC, KVK requested all participants in motivating soil testing, soil test-based fertilizer application and adopting natural farming techniques for successful soil health management.



Glimpses of World Soil Day

Training-cum-Demonstration Programme on Nutritional Development Through Fish and Fish Based Products

A training-cum-demonstration programme on '*Nutritional Development Through Fish and Fish Based Products*' was organized by KVK Cuttack on December 14, 2022, at KVK campus with an objective to providing hands on trainings to prepare food from dried fish powder and know the nutritional value of fish under World Fish sponsored project (EAP-323). Around 60 young girls & farm women participated in the programme. Deliberations were made by scientists of NRRI & Subject Matter Specialists of KVK Cuttack. Dr. Ranjan Kumar Mohanta, SMS (Animal Science) described in detail about the nutritional benefit of fish as food and its role in ensuring food and nutritional security particularly that of adolescent girls and women. Dr. Sujata Sethy, Officer-In-Charge, KVK Cuttack, described about the value addition of fish-based food products and curries. Dr. Dillip Ranjan Sarangi, SMS (Soil Science), Mr. Debasish Jena, SMS (Agromet) & other staffs of KVK Cuttack actively coordinated the programme.



Glimpses of “Nutritional Development Through Fish and Fish Based Products”

Training Cum Demonstration on Use of NRRI Decomposer for Ex-situ decomposition of Paddy Straw

A training-cum-demonstration programme on use of NRRI decomposer for ex-situ decomposition of paddy straw under Swachha Bharat Mission programme was organized by KVK Cuttack in collaboration with ICAR-National Rice Research Institute, Cuttack on December 14, 2022 at KVK campus with objective to popularize the technology among the farmers by providing hands on trainings & to reach each doorstep of farming community. Around 50 farmers, farm women & young entrepreneurs participated in the programme. Deliberations were made by scientists of NRRI & Subject Matter Specialists of KVK Cuttack. DrP Panneerselvam, Principal Scientist, highlighted the importance of decomposing microbial consortium & how it will be helpful to marginal farmers for decomposing crop residues in less time. DrAnjani Kumar, Senior Scientist, sensitized farmers to apply this compost in their own field to increase different microbes & how the compost will supply other micronutrient along with NPK. Dr Sujata Sethy, Officer-In-Charge, KVK Cuttack, DrDillipRanjan Sarangi, SMS (Soil Science), DrRanjan Kumar Mohanta, SMS (Animal Science), MrDebasish Jena, SMS (Agromet) & other staffs of KVK Cuttack actively coordinated the programme.



Glimpses of “Use of NRRI Decomposer for Ex-situ decomposition of Paddy Straw”

Kisan Samman Divas

KVK Cuttack celebrated Kisan Samman Divas at Dudhianali village of Mahisalanda Gram Panchayat of Tangi- Choudwar on December 23, 2022, where 32 farmwomen participated. Dr Sujata Sethy, OIC, KVK and Dr Ranjan Kumar Mohanta, SMS (Animal Science) interacted with the participants and discussed about the roles played by the farming community for feeding the whole world and ensuring food and nutritional security. On this occasion the live broadcast of Kisan Samman Divas celebrated by Hon'ble Minister of Agriculture and Farmers Welfare, Shri Narendra Singh Tomar, and team for empowering millions of farmers throughout India. Sri Arabinda Bisoi and Krupasindhu Pradhan facilitated the event.



Glimpses of “Kisan Samman Divas”

Swachha Bharat Abhiyan

KVK Cuttack organized various events on Swachh Bharat Mission in different schools and villages of Cuttack district involving more than 2574 school children and farmers. As children are the flag bearers of the society in driving swachhata and science in a forward manner and efficient way, swachhata quizzes and awareness programmes were conducted in Gopinathpur High School, Govindpur High School, Mahanta Bidyapitha, Tangi Bidyapitha, Kerilo High School, Agrahat High School, Gandhi Bidyapitha, Shankarpur and Saraswati Sishu Mandir, Agrahat. The winners were awarded with medals and certificates. Students were made aware about the importance of maintaining hygiene and sanitation in daily life. How internal and external swachhata plays an important role in our day to day life was discussed in details. In swachhata programs for farmers, Dudhianali and Berena farmers were made aware about the role of cleanliness in daily life.



Glimpses of “Swachha Bharat Abhiyan”

Ex-Trainee Sammelan

KVK Cuttack conducted an ex-trainee sammelan for grassroot level extension functionaries called pranimitras to sensitize them about the current epidemic prevalent in cows, namely, the lumpy skin disease. This exotic viral disease is affecting thousands of cattle across the district causing loss of some lives, but affecting most of the cattle population. To make aware the farming community a technical bulletin was prepared and distributed among the extension functionaries and farmers for effective prevention and control of the disease. They were taught different aspects of the disease and prevention methods besides how to treat the animals after affliction. The management aspects and need for vaccination was emphasized in the training program. Dr Ranjan Kumar Mohanta, SMS (Animal Science) organized the program supported by the KVK Cuttack team.



Glimpses of “Ex-Trainee Sammelan”

RAWE/KUS Program

KVK Cuttack imparted training to forty-four 4th year agriculture/ horticulture students from OUAT, Sri Sri University, Centurion University of Technology and Management, SOA, Bhubaneswar and LPU, Jalandhar as part of their RAWE/RAHE/ KUS program. The role of KVK was discussed in detail along with throwing light on different farmer friendly technologies and how can they play a role in taking agriculture and farming sector ahead both in production and economically.

Invited Lectures

Dr RK Mohanta delivered a talk on ‘Selection of a Journal for Scientific Publishing’ in an online workshop on "*Enrichment of professional skills to enhance academic and research competency of the faculty*" organized by S.V. Agricultural College, Tirupati on March 17, 2022.

Dr RK Mohanta delivered two lectures on ‘*Feeding Management of Dairy Cows with Special Reference to Green Fodder*’ in an online training program for prospective farmers/ unemployed youth on "Commercial Dairy Farming" organized by Veterinary Officers Training Institute, Bhubaneswar on January 11 and March 14, 2022.

Dr Sujata Sethy delivered a talk on "*Pulses for human health and nutrition*" on the occasion of World Pulse Day on February 10, 2022 organized by KVK, NRRI, Cuttack.

Dr RK Mohanta delivered a lecture on ‘*Balanced Feeding in Goats*’ in an online training program for prospective farmers/ unemployed youth on "Semi-Commercial Goat Farming" organized by Veterinary Officers Training Institute, Bhubaneswar on February 25, 2022.

Dr RK Mohanta delivered a lecture on ‘*Integration of livestock (Cow/ goaterly etc.) in IFS*’ in an online training program for farmers on "Integrated Farming System for Rice Production Ecology" organized by ICAR-NRRI, Cuttack on March 10, 2022.

Dr RK Mohanta delivered a lecture on ‘*Feeding and Management Care of Dairy Animals*’ in an E-Kisan Gosthi for farmers organized by ICAR-IIWM, Bhubaneswar on March 17, 2022.

Dr RK Mohanta delivered four lectures on ‘*Feeding of balanced ration to dairy animals*’ and ‘*Ration computation and feed and fodder requirement*’ for field veterinarians organized by VOTI, Bhubaneswar on April 05 & 19, 2022.

Dr RK Mohanta delivered the 46th webinar on SathyaZero grazing on ‘*Basics of stall feeding of sheep and goats*’ organized by ISSGPU on April 9, 2022.

Dr DR Sarangi delivered a talk on ‘*Plant nutrients their function and role in crops*’ for DAESI students on April 13, 2022 organized by ATMA Cuttack.

Dr RK Mohanta delivered a lecture on ‘*Livestock diseases and their management*’ for DAESI students organized by ATMA Cuttack on April 13, 2022.

Dr RK Mohanta delivered a lecture on '*Tips in Scientific Publishing*' in an international workshop on Scientific Writing and Publishing organized by Indian Veterinary Journal (Online) on May 01, 2022.

Dr RK Mohanta delivered a lecture on '*Clean Milk Production*' in the e-kisan organized by ICAR-IWWM, Bhubaneswar on May 19, 2022.

Dr RK Mohanta delivered a lecture on '*Integration of dairy/ goat into IFS*' on July 28, 2022 and August 4, 2022 for farmers and members of women self-help groups at NRRI, Cuttack.

Dr TR Sahoo delivered a lecture on "*ITK in disease and pest management in Vegetable crops*" through virtual mode on 30.7.2022. A total 75 participants including MBK, CRP, KrishiMitra were participated in the online program organized by OLM, Narasinghapur under the Department of Mission Shakti, Odisha.

Dr TR Sahoo conducted a session on capacity building program for Board of Directors and Farmers of FPO on the topic "*Scientific method of seed production in vegetable crops*" under the training title "Improved package of packages for enhancing vegetable productivity and profitability" at Balasore, Odisha on 5.9.2022 organized by NRRI, Cuttack.

Dr TR Sahoo imparted training to Horticultural farmers on the topic "*Horticultural crop management under post flood scenario*" at FIAC, Baranga on 7.9.2022 organized by ATMA, Baranga.

Dr TR Sahoo conducted a session on capacity building program for Board of Directors and Farmers of FPO on the topic "*Scientific method of seed production in vegetable crops*" under the training title "Improved package of packages for enhancing vegetable productivity and profitability" at Bhadrak, Odisha on 27.9.22 organized by NRRI, Cuttack.

Dr TR Sahoo organized one Audio Conference program on topic "*Disease and Pest Management in Horticultural crops*" at Badakusunpur village, Tangi on 29.9.22 where 50 farmers were interacted in the program organized by Village Knowledge Centre, M.S. Swaminathan Research Foundation, KVK campus, Santhapur.

Dr TR Sahoo imparted training to farmers on '*Organic vegetable cultivation*' at Banki Krushak Mela on October 12, 2022, organized by O/O DAO, Banki, Cuttack.

Dr TR Sahoo delivered a talk to 50 participants on "*Disease and Pest Management in Horticultural crops*" in the Audio Conference program at Panijhilli Village, Badakusunpur, Tangi on October 14, 2022 organized by Village Knowledge Centre, M.S. Swaminathan Research Foundation, KVK campus, Santhapur.

Dr RK Mohanta delivered a lecture on '*Scientific Goat Farming*' organized by ICAR-CIWA, BBSR on October 18, 2022.

Dr TR Sahoo Imparted training to KUS students on disease and pest identification at KVK Cuttack on October 28, 2022, organized by CDAO,Cuttack.

Dr S Sethy& Dr DR Sarangi delivered lectures for para-extension workers organized by ADAO, Salipuron November 04, 2022, at Salipur, Cuttack.

Dr RK Mohantadelivered a lecture on '*Backyard poultry farming*'organized by Baijayanta& Ila foundation on November 19, 2022, at Berena, Tangi-Choudwar.

Dr S Sethy, Dr TR Sahoo, Dr DR Sarangi &Dr RK Mohantadelivered lectures at district level orientation training for Kharif under Intensive Extension Campaign on Agriculture (IECA) organized by CDAO Cuttack at Satyam Hotel,Jagatpur on November 25, 2022.

Dr TR Sahoo delivered a lecture on "*Effect of climate change on Horticulture Production System and latest development in Climate Resilient Horticulture Production System*" through virtual mode on November 29, 2022, organized by BASIX Krishi Samruddhi Limited where 75 farmers and FPOstaffs from Odisha, West Bengal, Tripura, Nagaland, Bihar, Himachal Pradesh, and Uttar Pradesh were participated.

Dr RK Mohanta delivered a lecture on "*Effect of climate change on Animal Husbandry and latest development in Climate Resilient Animal Husbandry System*" through virtual mode on November 30, 2022,organized by BASIX Krishi Samruddhi Limited.

Dr TR Sahoo imparted training and awareness to Horticultural farmers on the topic "*New Generation Pesticides and Their Uses*" at FIAC Training Hall, Baranga on December 22, 2022, organized by o/o BAO, Baranga.

Dr RK Mohanta delivered a lecture on "*Poster, its importance and how to prepare it*" in a virtual National Workshop on Poster Preparation organized by Society of KrishiVigyan on November 13, 2022.

Dr RK Mohanta delivered lectures on "*Scientific Goat Farming*" for three days (December 22-24, 2022) in a 10-day training programme on 'GoatRearing' at Dudhianali village of Mahisalanda Gram Panchayat of Tangi- Choudwar organized by UCO RESTI, Cuttack for 35 Women SHG Members from ST community.

Symposium/ Conference/ Seminar/Workshop/ (Training participated only)/Meetings.

Dr D R Sarangi attended executive body meetings of Association of Rice Research Workers as Councilor (East Zone) on January 8 & 24, 2022.

Dr DR Sarangi attended a Seminar organized by ARRW on '*Climate Smart Agricultural Technology*' on February 15, 2022.

Dr Sujata Sethy attended DFI review meeting conducted by ATARI, Kolkata on January 17, 2022 in virtual mode.

Dr Sujata Sethy participated in the IDP-NAHEP sponsored National Webinar on ‘*Conservation Agriculture in India: Myths, Realities and Way Forward*’ on February 17, 2022, organized by RCA, MPUAT, Rajasthan.

Sri D Jena presented paper on “*Piloting District Agromet Unit for enhancing the economic benefit of farmers by minimizing the input cost by providing block level weather forecast based agromet advisory: A case study of Cuttack district of Odisha*” in the 9th annual convention and national webinar organised by Society for Fertilizers and Environment on February 25, 2022.

Dr Sujata Sethy attended the interaction meeting on ARYA in virtual mode on March 5, 2022.

Dr Sujata Sethy attended the District Level Committee meeting on integrated farming system held on March 17, 2022 in the o/o CDAO, Cuttack.

Dr D R Sarangi, Dr TR Sahoo and Dr RK Mohanta attended a 5-days online training programme for Master Trainers on “*Introduction to Natural Farming-Principles and Practices*” organized by MANAGE, Hyderabad from 05-09 April, 2022.

Dr Sujata Sethy attended officers conference of Cuttack conducted by CDAO Cuttack on 06.04.2022.

Mr D Jena, SMS (Agromet) attended 6 days training on “Use of crop simulation model in preparation of agro advisory services under GKMS” by AAS division, IMD, New Delhi from 4th-9th April 2022.

Dr Sujata Sethy and Dr RK Mohanta attended the valedictory session of self-defence training camp for girls conducted by Biswanakahani Higher Secondary school on 12.04.2022.

Dr TR Sahoo attended E-workshop on IARI-SAU/ICAR Instt. Collaborative National Extension Programme and IARI-Vos Partnership Programme conducted by CATAT, IARI, New Delhi (Virtual) on 16.04.2022.

Dr DR Sarangi, Dr TR Sahoo and Shri D Jena attended workshop cum demonstration programme on Drone Technology in Agriculture under Network Programme on Precision Agriculture conducted by NRRI, Cuttack on 21.04.2022.

Dr Sujata Sethy attended National conference in promotion of Kisan Drones: issues, challenges and way forward conducted by Ministry of Agriculture and Farmers welfare on 02.05.2022 in virtual mode.

Dr Sujata Sethy attended a review meeting on DFI case studies conducted by ATARI, Kolkata on 09.05.2022 in virtual mode.

Dr Sujata Sethy attended Annual Zonal Workshop of Zone five from 27-29 May, 2022 at Jalpaiguri organized by ATARI, Kolkata

Dr Sujata Sethy attended Biennial National Conference of KVKs 01-02 June, 2022 at Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan, Himachal.

Dr TR Sahoo imparted training on “Varietal selection and other techniques in vegetable production” to Krishimitras organized by OLM, Narsinghpur, Deptt. of Mission Shakti, Odisha on June 02, 2022.

Dr TR Sahoo Imparted training on “*Improved method of vegetable cultivation under Mo Upakari Bagicha*” to Krishimitras organized by OLM, Tangi-Choudwar, Deptt. of Mission Shakti, Odisha on June 04, 2022.

Dr Sujata Sethy attended the District Steering Committee Meeting on 7th June 2022 at ADM office, Cuttack.

Dr D R Sarangi attended Audio Conference for Farmers & Farmwomen organized by MSSRF, VKC on 15.06.22 at Badakrushnapur.

Dr D R Sarangi attended Review Meeting on CFLD Pulse organized by ATARI Kolkata on 17.06.22 in virtual mode.

Dr D R Sarangi attended District Level Monitoring Team Meeting at CDAO Cuttack on 22.06.22.

Dr S Sethy, Dr TR Sahoo & Dr RK Mohanta attended Annual Review Workshop on ARYA-Attracting and Retaining Youth in Agriculture Project in Virtual Mode (Zoom platform) on July 5, 2022, organised by ICAR.

Dr DR Sarangi participated as resource person a Farmers Field School on "*Seed Treatment, Nursery Management and Fertilizer Application for Paddy*" on 07.07.2022 at Sundarda, Niali.

Dr S Sethy attended National Level Workshop on “*Convergence activities of Central Silk Board with ICAR-KVKs for extension service in sericulture*” in online mode (Webex platform) on July 12, 2022 organised by Central Silk Board, Ministry of Textiles, Govt. of India.

Dr TR Sahoo as a member of Expert team constituted by O/O Deputy Director Horticulture, participated physical verification of QPM in registered private nursery on 23.7.22 at Tangi–Choudwar.

Dr DR Sarangi participated as a Member in a District Level Monitoring on IFS on 28.07.2022 at CDAO Office, Cuttack.

Dr S Sethy & Dr TR Sahoo organized meeting for Input distribution under CFLD-OILSEED (Groundnut) kharif-2022 on 23.08.2022 at Kanpur, Narasinghpur.

Dr S Sethy attended District level Agri-Clinic and Agri-Business Centre Scheme workshop and delivered a lecture on 24 August 2022, at Odisha Gramya Bank, Regional Office, Nayabazar organized by DDM, NABARD, Cuttack.

Dr S Sethy attended a seminar on “*Aromatic and Medicinal plant: Reconnecting the Agricultural heritage for public health, nutrition and employment in India*” at PMIT, Vikas Foundation Trust, Talcher, Odisha on 08.09.2022 organized by ATARI, Kolkata and DEE, OUAT, BBSR.

Dr TR Sahoo organized validation program of Dolichos Bean in different farmer’s field at Narasinghapur, Pathapur and Salipur on 01.09.2022.

Dr TR Sahoo participated in the workshop on sunflower: area expansion in rice fallows which was organized jointly by ICRISAT and IIOR on 9.9.2022 at IMAGE, Bhubaneswar.

Dr TR Sahoo participated in the Training cum lunching workshop of AMC (Arka Microbial Consortium) which was organized by CHES, ICAR-IIHR, Bhubaneswar on 13.9.2022 at CHES, ICAR-IIHR, Bhubaneswar.

Dr TR Sahoo, Dr RK Mohanta & Shri P Pradhan participated in the online recurrent meeting on Kisan Sarathi an open house session for issues and suggestions for Kisan Sarathi on 16.09.2022, 23.09.2022 & 30.09.2022.

Dr TR Sahoo participated and accompanied farmers to the Agri-Startup Conclave and Kisan Sammelan at IARI, New Delhi on 17.10.2022.

Dr TR Sahoo participated and made presentation on result achievements on NEP on 20.10.22 through virtual mode.

Dr TR Sahoo attended 2-days orientation -cum-training program at Gurukul, Haryana from 12-13 December 2022.

Dr TR Sahoo has organized an one-day awareness training program at Mangarajpur, Tangi-Choudwar on 09.12.2022.

Dr TR Sahoo participated in Physical verification of Potato seed Kufri Jyoti on 26.11.22.

Dr S Sathy, Dr DR Sarangi, Dr TR Sahoo, & Sri D. Jena attended Krushak Mela organized by ADAO, Banki on 12.10.2022 at Banki.

Dr DR Sarangi attended Farmer-Scientist Interaction Program under Zilla Agriculture Mahotsav on 16.11.2022 at FIAC, Cuttack.

Dr RK Mohanta participated in the executive body meeting of ANA, through Virtual Mode on 22.11.2022.

Dr RK Mohanta participated in DMLT on CFLD under comprehensive project on rice fallow management program on 25.11.2022 at CDAO Office, Jagatpur.

Research/ Review Articles

Das A, Samant PK, Jena B, Dwibedi SK, Patra RK and Sarangi DR. 2022. Assessment of suitable dose of calcium silicate to rice and its impact on soil properties in laterite soils of Odisha. *Oryza*, 59(1): 90-97.

Mohanty P, Umesha C, Sarangi DR, Meshram M. 2022. Accessing nitrogen levels and spacing on yield and economics of Chia (*Salvia hispanica* L.). *Environment and Ecology*, 40 (4B): 2380-2385.

Souvenir Article

Mohanta RK. 2022. World Veterinary Day and Veterinary Resilience. In: Souvenir on World Veterinary Day 2022. Fisheries and Animal Resources Development Department. Govt. of Odisha, pp-29-30.

Training Manual

Sahoo TR, Sathy S, Sarangi DR, Mohanta RK, Jena D. 2022. Nursery Management in Vegetables. Training Manual No. 2, Krishi Vigyan Kendra, ICAR-National Rice Research Institute, Cuttack.

Technical Bulletins

Sethy S, Sarangi DR, Sahoo TR, Mohanta RK and Jena D. 2022. Commercial Paddy Mushroom Cultivation. Technical Bulletin no. 30. Krishi Vigyan Kendra, ICAR-NRRI, Cuttack.

Sarangi DR, Sethy S, Sahoo TR, Mohanta RK and Jena D. 2022. Soil Health Card and its Benefits. Technical Bulletin no. 31. Krishi Vigyan Kendra, ICAR-NRRI, Cuttack.

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Popular Articles

Mohanta RK. 2022. Selection of a Good Dairy Cow. *Prameya Newspaper*, February 8, 2022, pg. 15.

Sahoo SP and Mohanta RK. 2022. Tips for Summer Management of Livestock. *Krushak Sambad*, 34(3):7.

Sahoo TR. 2022. Dwarf Country Bean Arka Amogha. *Sakala Newspaper*, September 27, 2022, pg. 15.

Mohanta RK. 2022. Millets as feed for livestock and poultry. *Prameya Newspaper*, November 8, 2022, pg. 15.

Radio Talk /TV Talk

Dr Sujata Sethy delivered a radio talk on “*Millets for food and nutritional security*” broadcasted by AIR Cuttack in Krushi Sansar programme on January 5, 2022.

Dr RK Mohanta delivered a radio talk on “*Contagious diseases of livestock in winter and their control*” broadcasted by AIR Cuttack in Krushi Sansar programme on January 17, 2022.

Shri D Jena delivered a radio talk on “*Millets as Climate resilient crop*” broadcasted by AIR Cuttack in Krushi Sansar programme on February 15, 2022.

Dr DR Sarangi delivered a radio talk on “*Millet cultivation for nutritional security*” broadcasted by AIR Cuttack in Krushi Sansar programme on March 10, 2022.

Dr TR Sahoo delivered a radio talk on ‘*Turmeric Cultivation (Haladi Chasa)*’ broadcasted by AIR Cuttack in Krushi Sansar programme on April 26, 2022.

Dr DR Sarangi delivered a radio talk on ‘*Paribesa Anukula Krushi (Climate resilient agriculture)*’ broadcasted by AIR Cuttack on June 05, 2022.

Dr RK Mohanta delivered a radio talk on “*Green Fodder for Livestock*” broadcasted by AIR Cuttack in Krushi Sansar programme on June 8, 2022.

Shri D Jena delivered a radio talk on “*Agricultural Drought Management Practices*” broadcasted by AIR Cuttack in Krushi Sansar programme on June 15, 2022.

Naxtra TV covered the success story of Shri Manas Ranjan Das, an ARYA mushroom entrepreneur of KVK Cuttack on April 26, 2022.

Dr S Sethy delivered a radio talk on “*Benefits of millets for health and nutritional security*” broadcasted by AIR, Cuttack on July 12, 2022.

Dr TR Sahoo delivered a radio talk on “*BarsadiniaPaniparibaChasa*” broadcasted by AIR Cuttack in Krushi-Sikhya programme on July 17, 2022.

Dr RK Mohanta delivered a radio talk on ‘*ParibartitaJalabayuregorugai o kukuda pain mandiyabhittikaphasalarabyabahara (Use of millets for feed of livestock and poultry in the climatic change scenario)*’ broadcasted by AIR Cuttack on September 26, 2022.

Dr SSethy delivered a radio talk on ‘*Why we should eat millets*’ broadcasted by AIR Cuttack on November 14, 2022.

Awards & Recognition

Dr DR Sarangi was elected as a Councilor (East Zone) to the executive body of Association of Rice Research Workers for 2022-2023.

Dr RK Mohanta served as a member of a committee for preparing the score card for the evaluation of K. Pradhan Young Scientist Award, ANSI Best M.V. Sc. Thesis Award and S.K. Ranjhan Award (For Ph. D Thesis) for Animal Nutrition Society of India.

Dr RK Mohanta has been inducted into the Publication Committee of Indian Journal of Animal Nutrition for the Biennium 2022-23.

Dr RK Mohanta was elected as a member of Executive Body of Animal Nutrition Association for the Biennium 2022-2023.

Dr RK Mohanta received the Dr CM Singh Veterinary Science Excellence Award 2022 from PashudhanPraharee on World Veterinary Day 2022.