

**PROCEEDINGS OF THE 19th SCIENTIFIC ADVISORY COMMITTEE MEETING
OF KRISHI VIGYAN KENDRA, ANGUL HELD ON 21st DECEMBER 2022**

The 19th Scientific Advisory committee meeting was held on 21st December, 2022 at 10.30 A.M at Krishi Vigyan Kendra, Angul premises in both physical and hybrid mode under the Chairmanship of Dr. Hemanta Kumar Sahoo, Deputy Director of Extension, DEE, OUAT, Bhubaneswar in presence of Dr. Kalyan Sundar Das, Principal Scientist, ICAR-ATARI, Kolkata, Zone-V.

After a warm welcome to the members & invitees by Dr. Debasis Mishra, Senior Scientist & Head, the meeting began with the brief introduction by the Chairman regarding the purpose of SAC meeting. The Chairman briefed the house about the significance of SAC & asked Senior Scientist & Head, KVK, Angul to proceed as per the agenda. Members present in the meeting are annexed herewith at Annexure-I.

AGENDA-I

Approval of SAC proceeding:

The 18th Scientific Advisory Committee meeting was held on 18th December 2021 and the proceeding of which was approved by the competent authority of the university on 08th December 2022. The approved 18th SAC proceeding was circulated to all the members vide letter no.604, 14th December 2022.

AGENDA-II

The Senior Scientist & Head, KVK, Angul presented the action taken report on the recommendation of 18th SAC meeting.

ACTION TAKEN REPORT

Recommendation	Action Taken
A new herbicide for Maize may be tested	Tembotrione 34.4% SC as post-emergence was assessed in maize crop
New generation pesticides like Spinetoram 11.7 % SC for managing DBM in cole crops should be assessed	New generation pesticide Spinosad 45% SC was demonstrated during Kharif 2022 for managing DBM in cole crops
Popularization of pulses like Field pea and Bengal gram as paira crops	Included in OFT on assessment of INM in rice-pea paira cropping system during 2023-24
KVK should conduct different trainings related to judicious use of water for various crops	Conducted Awareness programme & Kisanmela under Jala Shakti Abhiyan during 2022-23 covering 300 farmers in 2 different villages
Popularization of millets in the district through trainings and awareness	One awareness programme on importance of millets and its value addition was organized during Millet Diwas, 2022
KVK to promote organic cultivation of cabbage & cauliflower and the effort to be undertaken for promotion of new fruit crops like apple ber, dragon fruit etc.	KVK is conducting awareness programme, trainings & demonstrations under “Out Scaling of Natural Farming through KVKs” project One unit of dragon fruit is being established in KVK
Promotion of Azolla as a fodder for sustainable livestock management	An Azolla unit has been established in KVK campus and method demonstration on its cultivation was included in SCSP programme, 2022

Recommendation	Action Taken
Area of FLD on Greengram in Rice-fallow, may be increased	Demonstration on management of 25 ha Rice-fallow area with Rice-Greengram cropping system in two villages of the district has been initiated under Rice-fallow management project of Govt. of Odisha
Exposure visit of the trainees to progressive farmers' fields should be undertaken for successful technology dissemination	Exposure visit of 60 trainees to ICAR-CHES & CTCRI was organized during 2022 under SCSP programme
Under Agro-forestry, minimum 3 crops including spices may be taken as intercrops	Turmeric, Pineapple and Yam are being popularized as intercrops in Mango orchards
Fingerling production should be emphasized in KVK farm.	A total of 74,000 advanced fry/fingerlings of IMC/Amur carp/ GIFT Tilapia were produced under RF
Active SHGs under OLM should be selected for different capacity building programme in KVK	A total of 08 nos. of active WSHGs have been selected and trained on Value addition of fish (under an SCSP project sponsored by ICAR-CIFT), Colour fish production & Poultry rearing
Documentation of success stories and videos of successful farmers should be done and uploaded in social media	A total of 04 numbers of video documentation of successful farmers on the domains of "Vegetable farming, IFS and Bee-keeping" were done & telecasted in "AMA CHAASA" of DD-Odia

AGENDA-III

ACHIEVEMENTS 2022-23 AND ACTION PLAN 2023-24:

The Senior Scientist & Head presented the detailed achievements as per action plan for the year 2021-22 (*Rabi*) and 2022-23 (*Kharif & Rabi*).

Achievements made by KVK, Angul during *Rabi*, 2021-22

KVK has conducted 06 nos. of OFTs, 01 no. of CFLD during *Rabi*, i.e., 10 ha of Groundnut under oilseeds. Also 11 nos. of FLDs on other crops / enterprises in covering all major thrust areas of the district were conducted.

Achievements during 2022 (*Kharif*)

KVK has conducted 7 nos. of OFTs, 02 nos. of CFLDs on Groundnut (20 ha), Sesame (10 ha) under oilseeds, 02 nos. of CFLDs on Arhar (10 ha), Blackgram (10 ha) under pulses and 11 nos. of FLDs on other crops / enterprises covering all major thrust areas of the district.

Trainings

KVK has conducted 26 nos. of training programmes involving 600 nos. of farmers / farmwomen, 08 nos. of trainings for 123 nos. of rural youths and 04 nos. of trainings for 75 nos. of In-service personnel during *Rabi*, 2021-22 on various aspects of agriculture and allied disciplines. Similarly, during *Kharif*, 2022, a total of 22 nos. of training programmes for 550 nos. of farmers / farmwomen, 02 nos. of training for 30 nos. of rural youths and 02 nos. of trainings for 30 nos. of In-service personnel were conducted.

Extension activities

KVK has conducted Extension activities like Akshya Tiritiya, Vanamahotsav, World food day, World Soil Day, Women in Agriculture Day, Mahila Kisan Diwas, Farmers' Fair, Vigilance

awareness week, National unity day, Exhibitions, Field Days, SHGs Convention Meet, Method Demonstrations, Film Shows, Ex-trainee Sammelan & Farmers' Club Convention meet and Gosthi Meetings etc. Publications like Newsletters, Booklets, Leaflets, Research papers and Research notes were prepared. Sixty nos. of KMA messages have been delivered to 70,616 nos. of farmers during the reporting period.

Instructional Farm

Quality planting materials in the form of 30,299 nos. Vegetable seedlings, 3,988 nos. of Mushroom spawn bottles (both Paddy straw & Oyster mushroom), 1.13 qtl of Mushroom, 46.8 qtl of Vermicompost, 0.44 qtl of Azolla, 2,659 nos. of Poultry chicks with 490 eggs, Banana (393 plantains, 45 dozen ripened), 14.2 kg Honey and 74,000 nos. of IMC advanced fingerlings with 5,000 nos. of ornamental brood fishes were produced in the Instructional Farm.

Ongoing programme for Rabi, 2022-23

During Rabi, 2022-23 three nos. of OFTs, 01 CFLD on Groundnut covering a total of 10 ha, 09 nos. of FLDs are being conducted. Also 30 nos. of F/FW, 04 nos. of Rural Youth, 03 nos. of In-service trainings and 03 nos. of vocational trainings are being conducted.

Action Plan for 2023-24

During 2023-24, 10 nos. of OFTs, 20 nos. of FLDs were proposed to be conducted. Also 60 nos. of training for F/FW, 10 nos. for Rural Youth, 05 nos. of In-service trainings and 05 nos. of vocational trainings were proposed.

Release of Publication

The Chairman and other dignitaries released the KVK newsletter "Krusha Taranga" and 04 nos. of booklets on this occasion.

AGENDA-IV

SUGGESTION OF MEMBERS:

- The CDAO, Angul emphasized for popularizing pulses like field pea, blackgram and bengal gram as paira crops. He also suggested that, KVK should go for OFT on different newly released varieties of green gram and black gram during Rabi and Summer seasons to assess the resistance against moong bean yellow mosaic virus (MYMV) disease.
- The ADH, Angul advised for organizing trainings for value addition in mushroom. He also suggested the house that enough emphasis should be given towards efficient marketing of mushroom.
- The PD, Watershed, Angul suggested that, KVK must popularize IFS model in the district so that efficient and judicious use of water can be achieved and DFI concept can become a reality. He advised all the departments and KVK to converge their schemes/programme where the Farm Pond and Farm Pond plus scheme is going on.
- The Deputy Director, Veterinary Hospital, Angul suggested that, KVK should standardize the requirement of azolla as a feed replacement for cattle, goat and poultry. He also added that, KVK should give effort on concentrate feed management in goats.
- The ADF, Angul urged the KVK to increase its pond area so that the fingerling production can be increased and demand of the district can be fulfilled. She also advised KVK to organize

trainings on Bio-floc management & ornamental fish farming. Minor carps & other minor fish species should also be included in mixed carp culture for achieving additional income per unit area.

- The DDM, NABARD asked KVK to prepare and submit a Farm Sector Promotion Fund (FSPF) project for sanctioning fund to develop the campus.
- The PS, NRRI (ICAR Representative) suggested KVK to give emphasis on popularizing millet based food items by imparting training to WSHGs.
- The SS&H, KVK, Dhenkanal suggested that emphasis should be given to Lemon grass in place of Palmarosa and bamboo intercropping should be popularized in teak plantation.
- The District Coordinator, APC project suggested KVK to standardize the cultivation practice of coriander during summer months for achieving more market price.
- A progressive farmer Mr. Duryodhan Sahoo urged KVK to train the farmers about preservation and processing technologies of vegetables.

Remarks by the Principal Scientist, ATARI

- Update the KVK website regularly.
- Documentations of each and every work should be done regularly.
- Production practices of crops and commodities should be placed in KVK website.
- Impact study for all the activities should be done.
- Emphasis must be given for entrepreneurship development in the district.
- KVK should work on market linkage and some OFTs to be designed on market linkages.
- An OFT should be designed on Rice-Field pea or Rice-Black gram paira cropping.

Special Remarks by the Chairman

- Co-operation between scientists should be maintained. All scientists should know about every activity.
- The campus should have more viable demo units and should be more lively.
- IFS units in convergence with watershed department should be developed and KVK should take the initiative.
- Value addition in millets should be given emphasis.
- Rice-fallow management by taking pulses after rice should be given priorities.
- Pulse as well as Oilseed cafeteria should be maintained in KVK campus throughout the year.

The Chairman thanked all the members for their active participation and valuable suggestions. He further expressed his satisfaction and requested for their active cooperation for proper functioning of the KVK.

AGENDA-V: Salient recommendations of SAC members

- ❖ Field pea and black gram should be taken as paira crops in Rice-fallow cropping system.
- ❖ Value addition in millets to be popularized by adopting different extension mechanisms.
- ❖ IFS models should be replicated in the district in convergence mode.
- ❖ Documentation of each and every activity and impact analysis to be done regularly.
- ❖ Quality fingerling production of IMC and other minor fish species should be emphasized in the district.

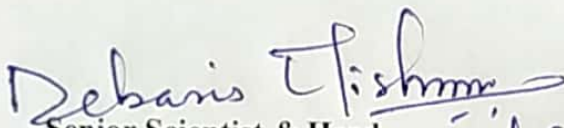
- ❖ Green gram and Black gram varieties having high degree of tolerance to YMV during *Rabi* and *Summer* seasons should be assessed by KVK.
- ❖ Lemon grass cultivation to be practiced in areas having wild animal menace as well as the fallow lands in mining areas.
- ❖ Azolla to be popularized as a feed replacement in cattle, goats and poultry birds.
- ❖ Minor carps & other minor fish species should also be included in mixed carp culture for achieving additional income per unit area.

AGENDA-VI

Constraints:

- As the KVK area is not completely surrounded by boundary wall, stray cattle menace is a regular problem for which it becomes very difficult to conduct various farm activities.
- As the instructional farm area is very undulating, land development needs to be done for conducting seed production and other demonstration activities during different seasons.
- The lack of irrigation facilities hinders the instructional farm activities during *Rabi* season.

The meeting ended with vote of thanks by Dr. Monalisa Behera, Scientist (Animal Science).

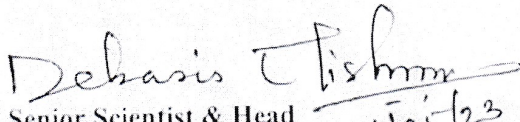

Senior Scientist & Head
KVK, Angul

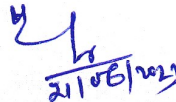
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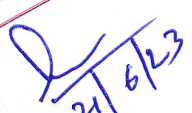
Sr. Scientist & Head
KVK, Angul

MEMBERS PRESENT ON 19TH SAC MEETING OF KVK, ANGUL

Sl.No.	Name	Designation	Status	Mode of joining
1	Dr. Hemanta Kumar Sahoo	DDE, DEE, OUAT, Bhubaneswar	Chairman	Physical
2	Dr. Kalyan Sundar Das	PS, ICAR-ATARI, Kolkata, Zone-V	Co-chairman	Online
3	Dr. Debashish Swain	ADR, RRTTS, Mahisapat, Dhenkanal	Member	Online
4	Dr. G.A.K. Kumar	Principal Scientist, NRRI, Cuttack	Member	Online
5	Sri Chakradhar Panda	Agriculture District Officer, Angul (Representative of CDAO, Angul)	Member	Physical
6	Sri Manoranjan Panda	Asst. Director of Horticulture, Angul (Representative of DDH, Angul)	Member	Physical
7	Sri Shiba Prasad Padhi	Project Director, Watershed, Angul	Member	Physical
8	Smt. Subhasmita Ghadei	Addl. Fisheries Officer (Angul Zone) (Represented DDF, Dhenkanal)	Member	Physical
9	Dr. Keshab Chandra Pradhan	Dy. Dir., Vet. Hospital, Angul (Representative of CDVO, Angul)	Member	Physical
10	Mr. Priyabrata Sahu	Sr. Manager, UCO bank, Angul (Representative of LDM, Angul)	Member	Physical
11	Mr. Sarat Kumar Behera	DDM, NABARD, Angul	Member	Online
12	Mr. Dibakar Behera	Asst. Executive Engineer, Irrigation division, Angul	Member	Physical
13	Dr. Tiryak Kumar Samant	Scientist, Agronomy, KVK, Angul	Member	Physical
14	Dr. Ipsita Mishra	Scientist, Plant Protection, KVK, Angul	Member	Physical
15	Dr. Monalisa Behera	Scientist, Animal Science, KVK, Angul	Member	Physical
16	Dr. Tamalika Sarangi	Farm Manager, KVK, Angul	Member	Physical
17	Ms. Rutuparna Paikray	SMS, Agromet (DAMU), KVK, Angul	Member	Physical
18	Mrs. Sairendri Behera	Progressive Farm Women	Member	Physical
19	Mr. Duryodhan Sahoo	Progressive Farmer	Member	Physical
20	Mr. Abhaya Kumar Sahu	Progressive Farmer	Member	Physical
21	Dr. Bimalendu Mohanty	Sr. Scientist & Head, KVK, Dhenkanal	Spl. Invitee	Physical
22	Dr. Jibanjit Sen	Sr. Scientist & Head, KVK, Jagatsinghpur	Spl. Invitee	Physical
23	Mrs. Pravati Ram	DPD-ATMA, Angul	Spl. Invitee	Physical
24	Mr. Asish Rath	District Co-ordinator, APC project, Angul	Spl. Invitee	Physical
25	Dr. Debabrata Panigrahi	Senior Scientist, RRTTS, Mahisapat	Spl. Invitee	Online
26	Dr. Debasis Mishra	Sr. Scientist & Head, KVK, Angul	Member Convener	Physical


 Senior Scientist & Head
 KVK, Angul
 16/05/23
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Approved

 21/6/23