

ICAR-KRISHI VIGYAN KENDRA (D.K.)
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E-News letter

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Exposure visit for DAESI Input Dealers

ICAR-KrishiVigyan Kendra (Dakshina Kannada) Mangaluruorganized an exposure visit to Horticulture Farm Tumbe, Department of Horticulture, Dakshina Kannada for Diploma in Agriculture Extension for Input Dealers on 08.10.2022. In this programme, Mr. Harish Kulal, Assistant Horticulture Officer (in charge) explained about the rearing and life cycle of biocontrol agent *i.e. Goniozusnephantidis* and their role in management of black headed caterpillar (*Opisinaarenosella*) in coconut and also explained about plant propagation methods in arecanut, coconut, guava, cocoa and black pepper. Dr. Kedarnath, Scientist (Plant Protection) coordinated the visit and briefed about integrated pest and diseases management in arecanut, coconut, black pepper and banana during the visit. A total of 36 DAESI students participated in the exposure visit.



Inter-institutional Internship training programme

ICAR- Krishi Vigyan Kendra Dakshina Kannada conducted inter-institutional internship training programme to Agriculture engineering students of Mohan Alva's engineering College from 11.10.2022 to 22.10.2022. Total 48 students were attended this programme. Dr. Shivakumar, R., Assistant Professor coordinated the training programme. During the 12 days internship programme the students were imparted with different activities carried out in Agriculture and Allied sectors like Animal husbandry, Horticulture and Fisheries and the students were also involved in routine KVK activities. All the scientists of KVK were participated as resource persons in this training program.





Hands on training on usage and installation soil test kit

ICAR, Krishi Vigyan Kendra provided hands on training to employees of South Canara Coconut Producers' Company Limited (SCCPCL), Vittal on usage and installation of soil test kit from 11.10.2022 to 05.11.2022. Ms. Milisha G Naik and Mrs. Jayaprada N P were undergone hands on training programme for 25 days at KVK's Soil and Water testing Laboratory with the demonstration of SCCPCL to establish new soil and water testing laboratory at village level. The basic objective of the soil-testing programme is to give farmers a service leading to better and more economic use of fertilizers and better soil management practices for increasing agricultural production. Dr. Mallakrjuna L Scientist (Soil Science) coordinated with laboratory technical demonstrations for determination of soil chemical properties.



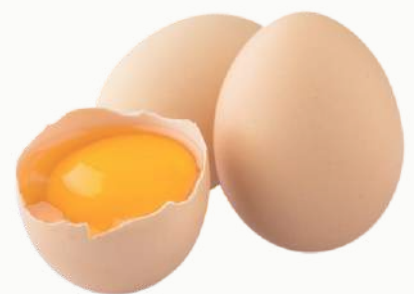
Orientation programme for Extension Functionaries

On 14-10-2022, Dr. Rashmi R., Scientist (Horticulture), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru delivered a lecture on KVK mandated activities, brief introduction about horticultural crops grown in coastal Karnataka and also the horticulture based activities undertaken in ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru. for extension functionaries of Erode, Tamilnadu. During the programme nine Assistant Directors of Horticulture, Erode, Tamilnadu were present.



Celebration of World Egg Day- 2022

ICAR-Krishi Vigyan Kendra Dakshina Kannada celebrated world egg day on 14th October 2022 at Krishi Vigyan Kendra, Mangaluru. World Egg Day 2022 centered around the theme of '**Eggs for a better life**', recognizing the egg's power to support not just human health outcomes, but planetary health and people's livelihoods too. Dr. T. J. Ramesha Senior Scientist and Head, KVK, Mangaluru presided over the function and Dr. Shivakumar, R., Assistant Professor coordinated the programme and in his speech, taught about the nutritional importance of the egg and insisted the participant to consume at least one egg daily as it is a power house of all nutrition. In this program 87 participants were present and they were distributed with one boiled egg each on this occasion. All the scientists and staff of the KVK Mangaluru were present in this programme.



Orientation for FPO farmers

On 19-10-2022, Lakshmisagara HFPCL, Srinivasapura, Kolar District FPO members visited ICAR-Krishi Vigyan Kendra (Dakshina Kannada) as a part of their exposure visit. Dr. Rashmi R., Scientist (Horticulture), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru delivered a lecture on KVK mandated activities, brief introduction about Horticultural crops grown in coastal Karnataka. During the programme 54 members and Assistant Horticulture Officer, Srinivasapura, Kolar were present.



Exposure visits for students under internship programme

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized an exposure visit for Agri Engineering Internship Students of Alva's college to progressive farmer field, Sajipamudu, Bantwala and Horticulture Farm Thumbe, Department of Horticulture, Dakshina Kannada on 19-10-2022. Mr. Ganapathi Bhat, Inventor of Areca tree Bike explained with live demonstration of women friendly bike. The scooter can climb 90 areca trees with one litre petrol. The machine can scale a height of over 100 feet with great ease and also students visited column method pepper cultivation, arecanut and cocoa plantation and coconut based farming system.

Mr. Harish Kulal, Assistant Horticulture Officer(Incharge) Horticulture Farm Thumbe highlighted on the activities undertaken in the horticulture farm and method demonstration on different plant propagation methods practiced in horticultural crops like cuttings, grafting, patch budding, air layering and preparation of potting mixture for seedling production of arecanut, coconut, guava, jack fruit, blackpepper and jasmine. During the visit students also gained information on bio control lab, rearing and life cycle of biocontrol agent *i.e. Goniozus nephandidis* and their role in management of black headed caterpillar (*Opisina arenosella*) in coconut. Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and highlighted about ICM of horticultural crops. Assistant Professors namely Mr. Deepak Kolke and Mrs. Kavya Saliyan, 36 students of participated in the programme.



Diagnostic visits to farmer's field

Leaf spot disease of areca nut caused by fungi *Colletotrichumgloeosporioides* and *Phyllostictaarecae* cause yield loss up to 60 percent. In this regard, ICAR- Krishi Vigyan Kendra (Dakshina Kannada) in association with Department of Agriculture and Department of Horticulture, Dakshina Kannada visited the leaf spot affected farmers field to diagnose the disease



and advised the management practices. Dr. Kedarnath, Scientist (Plant Protection) from ICAR-KVK (D.K) Mangaluru advised the farmers to apply propiconazole 25% EC @ 1 ml L⁻¹ of water or Carbendazim 12% + Mancozeb 63% WP @ 2.5 gram L⁻¹ of water or Difenconazole 25% EC @ 1 ml L⁻¹ of water for effective management of the leaf spot diseases. Mr. NandanShenoy, Assistant Director of Agriculture and Mr. Pradeep Dsouza, Senior Assistant Director of Horticulture, Bantwal and ATMA officials were also part of the visit.

Integrated management of leaf spot disease in Arecanut

ICAR-KrishiVigyan Kendra (Dakshina Kannada) Mangaluru in collaboration with Primary Agricultural Credit Cooperative Society on 28-10-22 at Ubaradka Mitturu Sullia organized a capacity development programme on integrated management of leaf spot disease in arecanut at Shri Narashima Shastavu Sabhabhavan, Ubardaka Mitturu village of Sullia taluk. In this Mr. Jayaprakash, CEO of PACCS Ubaradka, welcomed the gatherings and briefed about the programme. Shree Rajesh inaugurated the programme and Shree Damodhar Gowda presided over the programme. Dr. Kedarnath, Scientist (Plant Protection) briefed about integrated crop management practices in arecanut and explained about leaf spot management practices. A total of 105 farmers and line department officials benefited from the programme.



Observing of Vigilance Awareness Week

ICAR, Krishi Vigyan Kendra observed Vigilance Awareness Week (VAW) as per the directions from Central Vigilance Commission and ICAR, from 31-10-2022 to 06-11-2022 with the Theme "Corruption Free India for a Developed Nation". The observance of the VAW was commenced with taking of the Integrity pledge by the staff, students, farmers and farm women. Awareness programmes were organised for students, employees of Farmers and farm women to stop corruption.



Participants were also sensitized about good corporate governance based on transparency, accountability and fairness, laws regulations, etc. relevant to their work for honest discharge of their duties. Dr.Mallikarjuna L Scientist (Soil Science) coordinated these awareness programmes. There were totally 102 participants comprising of KVK staff, DAESI students participated.



IPM orientation programme to pesticide dealers and farmers

ICAR- Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organised Directorate of Plant Protection Quarantine and Storage, Faridabad, Regional Centre for Integrated Pest Management, Bengaluru, Ministry of Agriculture and Farmers Welfare, Government of India sponsored **two days IPM orientation training programme for pesticide dealers and farmers** from 01.11.2022 to 02.11.2022 at ICAR-KVK (Dakshina Kannada) Mangaluru. The training programme was inaugurated by Mr. Shahir Karthik, Plant Protection Officer, RCIPM, Bengaluru and briefed about the mandated activities of RCIPM. Dr. VivekUppar, PPO, RCIPM, Bengaluru participated as chief guest and explained in detail about the Integrated Pest Management (IPM). Dr. Pavaraj, Assistant Plant Protection Officer, RCIPM, Bengaluru highlighted the role of biopesticides in crop pest management. Dr. T. J. Ramesha Senior Scientist and Head, ICAR KVK (D.K) Mangaluru presided over the programme and urged the participants to get benefit from the programme. Dr. Kedarnath Scientist (Plant Protection) coordinated the programme and briefed about Insecticide Act, 1968, safe and judicious use of pesticides and integrated pest and diseases management in arecanut and coconut.



Capacity development programme for Sanjeevni Group Members

The ICAR-KrishiVigyan Kendra (Dakshina Kannada) Mangaluru in association with Taluk Panchayat, Mangaluru organized capacity development programme on plant propagation and nursery management for Sanjeevni Group Members on 03-11-2022. Dr. Ramesha T.J. Senior Scientist and Head addressed that nutrition is the science or practice of consuming and utilizing foods. A balanced diet is important for good health and well being.



Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and in her deliberation focused on plant propagation and nursery management of various fruits and vegetables and also plan, layout and establishment of kitchen garden. During the programme Mr. Subramani NRLM, programme coordinator and 16 Sanjeevni group members got benefitted from the programme.

Field Day on high yielding Red Rice variety Sahyadri Kempumukthi for Midlands



In Dakshina Kannada, paddy is a major staple food crop mainly grown during kharif in medium and low laying fields. More priority has been paid towards cultivation of low yield varieties such as Kajejaya, Uma, MO4, Jaya etc., but these varieties are tall with lodging problems and provide lesser yields. Realizing this problem Dr. Naveen Kumar, B.T., Scientist (Agronomy), conducted FLDs on demonstration of high yielding red rice variety Sahyadri Kempumukthi for midlands of Dakshina Kannada at Vogga village of Bantwal taluk, Killenjaru and Bajpe villages of Mangaluru Taluk and at KVK farm. Two field days were organized on 10.11.2022 and 18.11.2022 at Killenjaru village as well as at KVK instructional farm benefiting 70 farmers. The activities were also covered in newspapers for popularization of the variety.

CDP on Integrated Crop management in Udupi Jasmine

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a capacity development programme at Delantubettu, Bantwala Taluk, Dakshina Kannada on 12-11-2022 for initiating on farm trial on assessment of pruning time in Udupi Jasmine.

Mr. Ralph D'Souza, Progressive farmer inaugurated the programme. Fr. Peter Serrao, Church Father presided over the programme. Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and delivered lecture on crop production and method demonstration on pruning in Udupi Jasmine.

Dr. Kedarnath, Scientist (Plant Protection) participated as resource person and explained about integrated pest and diseases management in Udupi Jasmine and Dr. Mallikarjuna L. Scientist (Soil Science) explained about the importance of soil testing in coastal Karnataka and integrated nutrient management for crop cultivation. Total 14 farmers were benefitted from the programme and critical inputs were provided to the five selected Jasmine growing farmers.



KVK Participation in Kisan Mela

ICAR, Krishi Vigyan Kendra organized a exhibition at Kisan Mela held from 19 to 23 November 2022 at ICAR-CPCRI-RC, Kidu under the leadership of Dr. T. J. Ramesha, Senior Scientist and Head, ICAR-KVK, (DK), Mangalore. Dr. Rashmi, R., Scientist (Horticulture) coordinated the programme.



Dr. Mallikarjuna L., (Soil Scientist), Dr. Shivakumar R., Assistant Professor (Animal Science), Dr. Naveen Kumar B. T., Scientist (Agronomy), Dr. Chetan N., Scientist (Fisheries), Dr. Kedarnath Scientist (Plant Protection), and Mr. Sathish Naik, Programme Assistant (Computer) were participated in the Kisan Mela. A total of 495 farmers visited the stall.

Method Demonstrations on Integrated Pest and Diseases Management in Coconut and Arecanut

ICAR-KrishiVigyan Kendra (Dakshina Kannada) Mangaluruorganized demonstrations on Leaf Spot Management in Arecanut, Red Palm Weevil and Rhicoceros Beetle Management in Coconut and Root Grub Management in Arecanut for Navachetana Horticulture Producer Farmers Company Limited, Belthangady on 15-11-2022, 16-11-2022 and 23-11-2022 respectively at Mogru, Mugeradka and Kadamaje villages of Belthangady taluk in convergence mode withKarnataka State Horticulture Department, Bantwala, Dakshina Kannada and ICAR-CPCRI, Kasargod. Dr. T. J. Ramesha, Senior Scientist and Head addressed the farmers to adopt integrated management practices for pest and disease management in horticultural crops.

Dr. Rashmi, R., Scientist (Horticulture) coordinated the programmes and delivered lecture on production technology of Arecanut and Coconut. Dr. Kedarnath, Scientist (Plant Protection) participated as resource person and briefed about integrated pest and diseases management in Arecanut and Coconut and Dr. Rajkumar. Scientist, ICAR-CPCRI, Kasargod demonstrated on use of EPN for Root Grub Management in Arecanut. A total of 114 FPO farmers were benefitted from the three programmes and critical inputs were provided to the 35 selected farmers.

World Fisheries Day celebration



World Fisheries Day is observed around the world on 21st November every year by the fisherfolk communities. They celebrate this day to highlight the significance of maintaining the world's fisheries and balance in the ecosystem, healthy oceans, and surroundings. This marks a significant event for the fishing community, highlighting their hardwork and observing these neglected communities.

KVK, Dakshina Kannada celebrated the same at its office by inviting various farmers from the district. Progressive farmers like Bhagyaraj, Sudarshan expressed their views on the day. A training programme was also organised during occasion for the farming community. Farm ponds in the coastal districts are exclusively used for storage purposes till date and due to the awareness programmes and educating the farming community about the sustainable utilization of the available water resources, the farming community is keen to take up aquaculture for an additional income with minimal cost of production. Dr.Chethan N. Scientist (Fisheries) trained the farming community on water usage, basic aquaculture techniques, fish seed selection and stocking, culture methods and management aspects in the farm ponds aquaculture.

Method demonstration on liming and fertilization was also carried out. The participants checked the primary production levels by filtering the water from the culturing pond for concentration of plankton. Fertilizing the pond was also demonstrated with the fresh cow dung to enhance the primary productivity and liming was carried out in a new pond to correct the pH of the water. These demonstrations were helpful for the participants to understand the concept better.



National Milk Day

ICAR-Krishi Vigyan Kendra Dakshina Kannada celebrated '**National Milk Day**' on 26th November 2022 to commemorate 101st birth anniversary of **Dr. Verghese Kurien, the “Father of White Revolution in India”** at Government primary school, Valencia, Mangaluru. The day celebrates the importance of milk in a person's life to promote the benefits related to the milk & milk industry and to create awareness among people about the importance of milk and milk products. Dr. T. J. Ramesh Senior Scientist and Head, KVK, Mangaluru, presided over the function and Dr. Shivakumar, R., Assistant Professor coordinated the programme and in his speech briefed about the nutritional importance of the Milk and Milk products and also insisted the school children and their parents for daily consumption of milk and its health benefits. During this programme the school children were distributed with Nandini flavored milk. Dr. Mallikarjun, L., Scientist (Soil Science) and staff of the KVK Mangaluru were present.





Integrated Diseases Management in Arecanut

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a capacity development programme on management of inflorescence die back and leaf spot in arecanut on 09.12.2022 for the OFT farmers at Balanja Village of Belthangady Taluk. Dr. Kedarnath, Scientist (Plant Protection) and Dr. Mallikarjun, L., Scientist (Soil Science) explained about the improved cultivation practices and integrated pest and diseases management in arecanut. Dr. Shivakumar, Scientist (Veterinary) and total 16 famers were participated in the programme.



Celebration of world soil day

ICAR, KrishiVigyan Kendra celebrated world soil day in association with South Canara Coconut producers' Company Limited (SCCPCL) at Sullia on 05.12.2022 with the theme of “Soils: where food begins”. World Soil Day is held annually on 5 December as a means to focus attention on the importance of healthy soil and to advocate for the sustainable management of soil resources. As per the directions from ICAR, we celebrated world soil day. Dr.Mallikarjuna L. Scientist (Soil Science) coordinated the programme by addressing the rising issues with soil management, soil creating awareness, and encouraging societies to enhance soil health, the day seeks to increase understanding of the value of preserving healthy ecosystems and human well-being. Certificate was distributed to Ms. Milisha G Naik and Mrs. Jayaprada N P and new soil testing laboratory of SCCPCL, was inaugurated at Sullia. Dr.Shivakumar R. Scientist (Soil Science), Mrs. Suhana, Senior Assistant Director of Horticulture, Sullia Taluk, staff of the SCCPCL and 28 farmers and farm women were participated in the programme




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Participation in National Workshop and Orientation cum training programme on Natural Farming

Dr. Naveen Kumar, B.T., Scientist (Agronomy), KVK, Dakshina Kannada and Nodal Scientist for natural farming project participated in one day National Workshop held at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, Madhya Pradesh on 3.12.2022 and two days orientation cum training programme at State Natural Farming Testing Center, Gurukul, Kurukshetra, Haryana from 05.12.2022 to 06.12.2022.



CDP on Integrated Crop Management in Okra

ICAR-KrishiVigyan Kendra (Dakshina Kannada) Mangaluru organized a capacity development programme at Iddabettu Sampige, Moodbidri taluk, Dakshina Kannada on 07-12-2022 for initiating Front Line Demonstration on Integrated Crop Management in Okra Variety Halu Bhendi (White Velvet). Mr. Harish Kotian, Progressive farmer inaugurated the programme. Mr. Shyamasundara Rao, Retd. Teacher and Progressive farmer presided over the programme. Dr. Rashmi, R., Scientist (Horticulture) coordinated the programme and delivered lecture on crop production of okra. Dr. Kedarnath, Scientist (Plant Protection) participated as resource person and explained about integrated pest and diseases management and Dr. Mallikarjuna L. Scientist (Soil Science) explained about the importance of soil testing in coastal karnataka and integrated nutrient management in the crop. Total 18 farmers were benefitted from the programme and provided critical inputs to the ten selected bhendi growing farmers as a part of FLD on ICM in okra.



Management of nut cracking and pre mature nut fall in areca nut

ICAR, Krishi Vigyan Kendra organised one day off campus capacity development programme on 'Management of nut cracking and pre mature nut fall in areca nut' for farmers and farm women at Kavu village of Puttur Taluk on 08.12.2022. Dr. Mallikarjuna L Scientist (Soil Science) coordinated the programme by addressing the issues as this is a physiological disorder of universal occurrence in almost all gardens, and suggested for application of borax @ 2 g per litre of water (0.2 % spray) on bunches during early stages of disease and K_2O at the base is found to check nut splitting to a certain extent and improvement of drainage and provide regular irrigation during drought.



Dr. Rashmi R. Scientist (Horticulture) briefed about selection of plants at nursery, scientific method of planting, best practices at different stages of the crop to improve the yield. There were 32 farmers and farm women participated in the programme.



Effect of Dolomite on arecanut yield and soil acidity in coastal soils of Dakshina Kannada

ICAR, Krishi Vigyan Kendra organised one day off campus capacity development programme on 'Effect of Dolomite soil conditioner on areca nut yield and soil acidity in coastal soils of Dakshina Kannada' for farmers and farm women at Balanja village of Belthangady Taluk on 09.12.2022. Dr.Mallakrjuna L Scientist (Soil Science) coordinated the programme and suggested to improve the soil pH to apply lime / dolomite, to improve EC level and available potash status of soil there is a need to apply extra dose of potash to soil than the recommended dosage. Dr.Kedarnath Scientist (Plant Protection), spoke on management of pest and diseases in the areca nut, usage of biocontrol agents and selection of disease-free plants. There were 14 farmers and farm women participated in the programme.



Improved cultivation practices in horticultural crops

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in collaboration with Primary Agricultural Credit Cooperative Society Mundooru village of Puttur taluk organized a capacity development programme on improved cultivation practices in horticultural crops and Integrated management of stem and root borer (CSRB) in cashew on 12.12.2022. Mrs. Triveni Rao Assistant Registrar of Cooperative Societies Puttur inaugurated the programme. Mr. Suresh Kumar Sorake presided over the programme and Dr. T. J. Ramesha, Senior Scientist and Head ICAR-KVK (D.K) Mangaluru participated as a chief guest. Dr. Kedarnath, Scientist (Plant Protection) and Dr. Rashmi, R., Scientist (Horticulture) participated as resource persons and explained about the improved cultivation practices and integrated pest and diseases management in horticultural crops. Mr. Jayaprakash, CEO of PACCS Mundooru, others members of the society and 73 famers were participated in the programme. Also provided the critical inputs to the 10 farmers selected under the FLD on integrated management of stem and root borer in cashew.



Capacity development programme on 'Use of probiotics to enhance SNF and Milk yield in cows

ICAR Krishi Vigyan Kendra Dakshina kannada organized one day off campus capacity development programme on use of probiotics to enhance SNF and Milk yield in cows, at permude village, Mangaluru taluk, Dakshina Kannada district on 14.12.2022. Dr. Shivakumar, R., Assistant Professor coordinated the program and in his speech, emphasized on reduced milk yield, lower SNF and fat percentage due to improper digestion and absorption of nutrients. Probiotics are beneficial microbes inhabiting the gastrointestinal tract of all the animals including human beings. Use of probiotics in livestock could also improve growth in young animals besides improving immunity, they help the host animals in various ways viz. exclude pathogenic organisms, improves immunity of the host, improves nutrient absorption and utilization and also contributes valuable metabolites and enzymes to the host there by enhances SNF and Milk yield. About 24 farmers and farm women were benefitted by this programme and 10 farmers and farm women were distributed with the critical inputs like probiotics, mineral mixture and deworming bolus under front line demonstration. During this programme Dr. Mallikarjun, L., Scientist (Soil Science) and Dr. Naveen kumar, B. T., Scientist (Agronomy)were present.



Demonstrations on integrated pest and disease management in Coconut and Arecanut

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized demonstrations on Leaf Spot Management in Arecanut, Red Palm Weevil and Rhinoceros Beetle Management in Coconut and Root Grub Management in Arecanut for Pingara Horticulture Producer Farmers Company Limited, Vittal on 15-12-2022, 20-12-2022 and 22-12-2022 respectively at Vitlapadanur, Manchi and Kepu villages of Bantwala taluk in convergence mode with Karnataka State Horticulture Department, Bantwala, Dakshina Kannada and ICAR-CPCRI, Kasargod. Mr. Ramakishore, President, Pingara HFPCL, Vitla inaugurated the programme. **Shri. Mahalinga Naik, Padma Shri Awardee presided over the programme.** Dr. T. J. Ramesha, Senior Scientist and Head addressed the farmers to adopt integrated management practices for pest and disease management in Horticultural crops. Dr. Rashmi, R., Scientist (Horticulture) coordinated the programmes and delivered lecture on production technology of Arecanut and Coconut. Dr. Kedarnath, Scientist (Plant Protection) participated as resource person and briefed about integrated pest and diseases management in Arecanut and Coconut and Dr. Rajkumar. Scientist, ICAR-CPCRI, Kasargod participated in method demonstration on use of EPN for Root Grub Management in Arecanut. A total of 75 FPO farmers were benefitted from the three programmes and critical inputs were provided to the 36 selected farmers. Mr. Krishnamoorthy, Director, Mr. Pradeep, CEO, Pingara FPO, Mr. Janardhan and staff of Pingara FPO graced the occasion.





Radio Programme

Dr. Rashmi R., Scientist (Horticulture), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru participated as a resource person and delivered a lecture on production technology and pruning in Udupi Jasmine at Akashvani, Mangalore station on 14-12-2022.



Implementation of SCSP programme

As per the directions from ICAR-ATARI, Zone-11, Bengaluru, a survey was conducted to implement the SCSP project for the year 2022-2023 at Pudevettu village of Belthangadi taluk, Dakshina Kannada District on 16.12.2022 by ICAR-KVK Dakshina Kannada. The main objective of the project is to improve the livelihood of Scheduled caste farmers as well as landless scheduled caste families through improved technological interventions in crops, livestock, poultry and fisheries. Dr. Shivakumar, R., Assistant professor coordinated the survey programmed in this survey, Senior Scientist and Head, all the scientists and staff of the KVK Mangaluru were participated.



Capacity development programme on watershed management

ICAR, Krishi Vigyan Kendra organised one day on campus capacity development programme on 'Importance and effective utilization of watershed programmes' for farmers and farm women of Belooru Taluk on 21.12.2022. Dr. Mallikarjuna L Scientist (Soil Science) spoke on benefits of watershed programmes as it envisages in restoring the ecological balance by harnessing, conserving, increase in groundwater recharge and developing degraded natural resources such as soil, vegetative cover & water through watershed management initiatives, Dr. Shivakumar R. Scientist (Animal Science), Dr. Kedarnath Scientist (Plant Protection) and 49 farmers and farm women participated in this programme.



Capacity development programme for tribal women on value addition of fish for livelihood improvement under ODOP

Fish is considered to be one of the healthiest food on the planet containing low fat nutrients, filled with omega-3 fatty acids, vitamins and rich in calcium and phosphorus, a great source of minerals. Fisheries sector in India is a major industry employing 14.5 million people. India ranks second in aquaculture and third in [fisheries](#) production. Fisheries contributes to 1.07% of the total [GDP](#) of India. Fish is highly perishable in nature and requires proper handling and preservation to increase its shelf and retain its quality and nutritional attributes. Hence, different methods such as freezing, canning, icing, smoking and drying methods are employed to preserve fish. Out of these methods, drying is the traditional method practiced by local fisherfolk where they use coir mat, plastic sheet on sandy beaches, this method is cost effective but the dried fish product is of poor quality, poor keeping quality with poor consumer preference.

To produce good quality hygienically dried fish, solar dryer was provided under the research collaboration with ICAR-Central Institute of Fisheries Technology, Cochin for successful implementation of a CGIAR (World Fish-ICARW3) research project entitled Value Chain and Nutritional Research Outputs: Fish for Nutritional and health of women and children. Accordingly, ICAR-Krishi Vigyan Kendra, Dakshina Kannada initiated capacity development and demonstration programme in collaboration with Bharatiya Vikas Trust, Manipal on hygienic production of dried fish by involving different stakeholders including fisherfolk. As a part of the programme, demonstration was organized on preparation of hygienically dried fish using locally available low priced fishes namely Mackerel and sole fish.

On eve of 75th Azadi Ka Amrutmahotsav a capacity development programme on preparation of value added product (Fish Chutney Powder) from low priced fish in collaboration with Nidpalli Gramapanchayat was organized at Nidpalli village under One District One Product (ODOP). In this programme, demonstration was organized on preparation of fish chutney powder. Two entrepreneurs already involved in the business of selling value added products also shared their traditional method of preparation of fish chutney and motivated other women participated in the programme.



small scale involving 25 tribal women and later expanded to other groups in the district under the technical guidance of ICAR-Krishi Vigyan Kendra, Dakshina Kannada.



Awards -ICAR-KVK, Dakshina Kannada Fisheries Scientist, **Dr. Chethan N.**, has been awarded with **“The Best KVK scientist award”** at 7th International Conference organised on Opportunities and Challenges in Agriculture, Environmental & Biosciences for Global Development (29-31, October, 2022, Goa) for his outstanding contributions in the field of Aquatic Environment Management.



Human Resource Development Activities

Certificate No.316 - PHE(PAT&SM-5)/22-23



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Rajendranagar, Hyderabad - 500 030 (India)

Department of Agriculture & Farmers Welfare

Ministry of Agriculture & Farmers Welfare

Government of India



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CERTIFICATE

This is to certify that **Dr./Mr./Smt./Ms. Kedarnath, Scientist Plant Protection And Entomolgy, ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Kankanady Mangaluru, Karnataka** has successfully completed 5-days online training on "**Pesticide Application Techniques and Safety Measures**" organized by National Institute of Plant Health Management, Hyderabad from **31st October to 04th November 2022.**

Dr. Vidhu Kampurath P
Joint Director (Plant Health Engineering)



Dr. Sagar Hanuman Singh
Director General

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