

# KVK TIMES

A window to KVKs of ICAR-ATARI  
Zone-XI, Bengaluru

Volume-1, Issue 38, 16-31 January, 2023

ICAR-Agricultural Technology Application  
Research Institute, Zone-XI, Bengaluru



**ICAR-Krishi Vigyan Kendra**

Savalanga Road, Navule,  
Shivamogga-577 204, Karnataka.

**Keladi Shivappa Nayaka University of  
Agricultural and Horticultural Sciences, Shivamogga**

E-mail : [Kvk.shivamogga@icar.gov.in](mailto:Kvk.shivamogga@icar.gov.in),

Website : <https://kvkshivamogga.karnataka.gov.in>



# KVK TIMES

A Window to KVKs of ICAR-ATARI, Zone XI, Bengaluru

## **KVK Times**

Fortnightly e-Publication of ATARI, Bengaluru  
Volume 01 | Issue 38 | 2023

## **Published by**

**Dr. V. Venkatasubramanian**

Director

ICAR-ATARI Zone – XI,  
Bengaluru-560024

## **Special Thanks**

**Dr. B. T. Rayudu**

Principal Scientist & Nodal Officer  
ICAR-ATARI Zone-XI, Bengaluru

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ICAR-Krishi Vigyan Kendra, Shivamogga, Karnataka

KVK Times is a Fortnightly e-Publication that covers important activities of KVKs of Zone XI

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## **Design and Layout**

**Mrs. B. S. Geetha**, Programme Assistant (Computer) and

**Snehamilana Graphics**, Shivamogga, Karnataka



# MESSAGE

Email : vc@uahs.edu.in  
Web : www.uahs.edu.in

Cell : 9480838999  
9449411434



ಕೆಲದಿ ಶಿವಪ್ಪ ನಾಯಕ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕೆ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ  
**KELADI SHIVAPPA NAYAKA UNIVERSITY OF AGRICULTURAL AND  
HORTICULTURAL SCIENCES, SHIVAMOGGA**

**Dr. R.C. Jagadeesha**

Vice-Chancellor

M.Sc.(Agri.), Ph.D.

Iruvakkki - 577 412, Sagara Taluk  
Shivamogga District, Karnataka, India



## MESSAGE

The Krishi Vigyan Kendras play an important role in communicating the transfer of technologies of agricultural research to the farmers. KVKs contribute significantly in disseminating the technologies developed at research institutions to the farmers' field through its different activities and functions as a knowledge and resource centre for improving the agricultural sector of the district and linking the farmers under its jurisdiction in particular and National Agricultural Research System with the Extension System in general.

The idea of bringing out the KVK times is an innovative way of throwing light on various fortnightly KVK activities by all KVKs by rotation. I congratulate and compliment ATARI- Bengaluru for their sustained guidance and co-operation in reaching the goals set by the KVKs. The KVKs continuously work for transfer of technologies from **lab to land** and upliftment of farmers.

The districtwise concept of KVKs throughout the country has really helped in reaching the technologies to the farmers' door steps and its effective implementation has lead to enhanced production and productivity.

KVKs all over India have documented more than 110 doubling farmers income cases per district and the publication '**KVK TIMES**' by ATARI, Bengaluru is a novel mode of documenting and recognizing the activities of KVKs of Zone XI. It shows the potentiality and success of KVK system as best extension agency.

I appreciate and congratulate the team of ICAR-KVK, Shivamogga for bringing out this document during second fortnight of January, 2023.

Place: Shivamogga  
Dated Feb. 8, 2023

  
(R.C. Jagadeesha)



# MESSAGE



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**Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences,  
Shivamogga-577 204**

**Dr. B. Hemla Naik, Ph.D.(Hort.),PGDH(Israel)Eng Ag Edn (USA)**

**Director of Extension  
& Professor (HAG)**

Directorate of Extension  
Irvakki, Anandapura  
Shivamogga-577412



## MESSAGE

Krishi Vigyan Kendras (KVK's) established by ICAR are playing a pivotal role in providing farm support to agricultural sector and imparts knowledge to the farming community about improved agricultural and allied technologies and demonstrate their application to the farmers with capacity building. KVK's through their technical innovation, bridging the link between research, extension system and farmers needs in the district. KVK's are improving socio economic condition of the rural people by creating self-employment opportunities for their livelihood security.

Documentation of various extension activities carried out by KVK is a critical task and this will provide a suitable platform for all KVK's to showcase their achievements, get to know one another and be acknowledged.

Under the dynamic leadership of Dr. V. Venkatasubramanian and his team, the ATARI, Zone XI, Bengaluru is doing an excellent job of showcasing the outreach activities in the name of KVK Times. This would be a convenient way to access important milestones achieved in the zone.

I express my heartfelt gratitude to Dr.B.C.Hanumanthaswamy, Senior Scientist & Head, KVK Shivamogga district and his dedicated team for covering the important events and activities of KVK's in this issue.

**Director of Extension**



# FOREWORD



ICAR-Agricultural Technology Application Research Institute, Zone XI

भा.कृ.अनु.प.- कृषि तकनीकी अनुप्रयोग अनुसंधान संस्थान, जोन XI

MRS, HA Farm Post, Hebbal, Bengaluru 560 024

एम.आर.एस. एच.ए. फार्म पोस्ट, हेब्बाल, बेंगलुरु ५६० ०२४

Fax: +91-80-23410615

Email: [director.ataribl@icar.gov.in](mailto:director.ataribl@icar.gov.in)

Dr. V. Venkatasubramanian

डॉ। वी। वेंकटसुब्रमण्यन

Director

निदेशक



## Foreword

Krishi Vigyan Kendras are the focal points from where information, knowledge and technologies will flow to various end-users through effective partnerships. They are evolving as a promising frontline extension institutions to enhance the production and productivity by disseminating advanced technologies in agriculture and allied sectors. Therefore, KVKs play a pivotal role to achieve desired level of growth in agriculture sectors. The primary goal of Krishi Vigyan Kendras' is to assist farmers in adapting and adopting technologies along with marketing strategies to meet the challenges of climate change and rapidly changing socio-political and economic conditions. In addition, Krishi Vigyan Kendras are also serving as a repository of scientific knowledge that is useful to the entire district in its jurisdiction, undertaking the activities in their novel way for the betterment of the farming community.

Krishi Vigyan Kendra, Shivamogga which comes under the premises of Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga for backstopping the technologies to its entire Malnad region is putting their marvelous effort in demonstrating various improved technologies in agriculture and allied fields and helping the farmers to attain higher economic returns.

I acknowledge with gratitude, the constant support and guidance given by Hon'ble Vice-Chancellor Dr. R. C. Jagadeesh, KSNUAHS, Shivamogga and Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga to strengthen the KVK, Shivamogga. I appreciate and congratulate the team of KVK, Shivamogga for the meticulous effort in bringing out the 38<sup>th</sup> edition of KVK Times for the period of 16<sup>th</sup> to 31<sup>st</sup> January, 2023.

(V Venkatasubramanian)

Bengaluru

06 February 2023

Phone. No.: +91-80-23410614(O)  
+91-80-28567456 (R) Mobile: 9787668282

Email : [ataribengaluru@icar.gov.in](mailto:ataribengaluru@icar.gov.in)  
<https://ataribengaluru.icar.gov.in>



## ACKNOWLEDGEMENT

I am extremely proud and privileged to be entrusted with the responsibility to compile and edit the KVK times covering the period of 16th to 31st January 2023. KVK Times is a fortnightly e-publication of ICAR-Agricultural Technology Application Research Institute, Bengaluru that covers important activities of KVK's. It is a platform where KVK's can showcase their activities mainly transfer of technology through On Farm Testings, Front Line Demonstrations, capacity development programmes and various other special programmes for the benefit of the farming community, also which serves as a record for future reference. The documentation of various programmes and innovative activities can bring about a massive difference to the system as such and can help in bringing about the evolution and spread of new thoughts and ideas. I would like to express my heartfelt gratitude to Honorable Director, ICAR-ATARI, Bengaluru, Dr. V. Venkatasubramanian, for his overwhelming support, inspiration and encouragement to serve the farming community and valuable guidance in bringing out this edition of KVK Times. I am extremely happy to express my deepest sense of gratitude and heartfelt thanks to our Hon'ble Vice-Chancellor Dr. R. C. Jagadeesh, KSNUAHS, Shivamogga, for his constant support and encouragement to the team of KVK, Shivamogga. It is my pleasure to extend my sincere thanks to Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga, for all his timely interventions, suggestions and support which ultimately helped KVK, Shivamogga in achieving our mandates. I also take this opportunity to thank Dr. B.T Rayudu, Principal Scientist and Nodal Officer of our KVK for his constant encouragement and valuable insights. I extend my gratitude to all the Heads of 48 KVK's and their team for their timely contribution of the material for the successful publication of the 38th edition of KVK times. I would like to acknowledge and give my warmest thanks to my entire team of ICAR-Krishi Vigyan Kendra, Shivamogga for their constant support and contribution to compile and bring out this issue within the time frame effectively.



A handwritten signature in blue ink, appearing to read 'B. C. Hanumanthaswamy'.

**(B. C. Hanumanthaswamy)**  
**Senior Scientist and Head**



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## ICAR-KVK-ALAPPUZHA

### Vocational training on Mushroom production technologies to college students

Twenty two undergraduate students from Sree Ayyappa College, Eramallikkara, Chengannur attended a two days vocational training programme on 'Mushroom production technologies' on 23rd and 24th January, 23 in KVK-Alappuzha. This was in continuation to a seminar on "World of mushrooms and its scope as a profitable enterprise" organized in the college on 6th January, in which the resource person from KVK participated. The students were oriented on all the aspects of mushroom cultivation from substrate selection to value addition of fresh mushroom as well as spent substrate in the two days programme. The importance of including mushroom in the daily diet for a healthy living was also conveyed to the youth. Exposure visits to commercial mushroom units at Devikulangara and Chettikulangara were conducted in order to orient and encourage them to establish their own enterprise. The students appreciated their knowledge gain and exuded confidence in starting the enterprise. Mrs. G. Lekha, SMS (PI. Path) handled the training programme.



### 21st Scientific Advisory Committee (SAC) Meeting conducted



Twenty first SAC meeting of KVK-Alappuzha was conducted in the chairmanship of Dr.K.Muralidharan, Acting Director, ICAR-CPCRI, Kasaragod on 20th January, 23. The meeting was attended by Dr.D.V.S.Reddy, Principal Scientist, ICAR-ATARI, Bengaluru; ADE (Central Zone), KAU; Acting Head, ICAR-CPCRI, Regional Station, Kayamkulam; Heads/representatives of the line departments and adjoining KVKs; farmer and entrepreneur representatives and staff members of the KVK. Action taken on the recommendations of the 20th SAC meeting, Progress of activities for the previous year and ongoing activities of the current year were presented in detail by the Head, KVK followed by discussions from the members. The issues to be addressed in the next year action plan as raised by the members were discussed and recorded for future action.

### Capacity building on 'Value addition of Jackfruit' for tribal farmers from Odisha

Capacity building programme on 'Value addition of Jackfruit' for selected master farmers of the NABARD supported NGOs, and Sakha foundation funded by NALCO from Koraput District of Odisha was conducted for 4 days from 23.01.23 to 26.01.23. NABARD consultant, official of Sakha foundation and 6 trainees from the tribal community attended the programme. More than 25 jackfruit products were demonstrated and prepared through the hands-on-training. Visit to a Jackfruit processing unit was also arranged for getting exposure on the establishment of an



enterprise. A business plan with necessary information on jackfruit processing machineries was prepared and provided to the team. Smt. Jissy George, SMS (Home Science) handled the programme.



## ICAR-KVK-BAGALKOTE

### Off campus training programme on SSI techniques in Sugarcane

A training programme on SSI techniques in Sugarcane was organized by KVK Bagalkote on 24.01.2023. Dr. Mouneshwari R Kammar, Sr. Scientist & Head, spoke about importance of millets, soil testing and facilities available with KVK Bagalkote. Dr. Dinesh Kumar S P, Scientist (Agronomy) gave details about SSI, irrigation, fertigation varieties and inter cropping in sugarcane. Dr. Sudha S, Scientist (Plant Protection) explained about disease and pest management in sugarcane. Dr. Siddappa C Angadi, Sr. Technical Officer coordinated and anchored the programme. Shri Shivappa Hadimani, progressive farmer of Kataginahalli, Shri Chandappagoudar, APMC, president of Badami Taluka and other progressive farmers were present.



### On campus training programme cum direct live telecast programme

Capacity development programme for members of FPO was organized on 31.01.2023 at KVK Bagalkote. Training programme was inaugurated by lighting of lamps. Dr. Mouneshwari R Kammar, Sr. Scientist & Head briefed about the launching of new programmes by Hon'ble Chief Minister and other dignitaries at UAS, Dharwad. The same programme was being telecasted. Before the direct telecast programme, Dr. Venkanna Balaganur, Scientist (Animal Science), briefed about the various opportunities for FPO members in animal husbandry. Dr. Shripad



Vishveshwar, Assistant Professor from UHS Bagalkote delivered lecture on maintenance of FPOs, preparation of business plan and marketing linkages. Dr. Dinesh Kumar S P, Scientist (Agronomy) interacted with farmers and explained about newly released varieties by UAS Dharwad groundnut, chickpea and improved cultivation of sugarcane. Dr. Sudha S, Scientist (Plant Protection) and Dr. Airadevi P Angadi, Scientist (Horticulture) also participated in interaction.

In the second session farmers witnessed the direct telecast programme of launching of various flagship programmes of Government of Karnataka ie release of Krishi Sanjivini vehicles, awarding Krishi Pandit, Raitha Shakti and Vidyanidhi programmes. More than 100 farmers from various FPOs participated in the programme. After the programme farmers visited the Agromest unit established at KVK premises.



Mr. Herur, farmer of Binjawadagi, Hungund (Tq) ratoon sugarcane field visited by Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote, Mr. Hiremat, AO, RSK, Karadi and Mr. Kiran, ATM, Karadi. Information on Striga Management was shared with the farmers on 17.01.2023.



Mr. Herur, farmer of Binjawadagi, Hungund (Tq) rust affected field visited by Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote, Mr. Hiremat, AO, RSK, Karadi and Mr. Kiran, ATM, Karadi. Management measures was shared with the farmers on 17.01.2023.



Delivered a guest lecture on "Integrated Nutrient Management" to DASEI students at DATC, Bagalkote by Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote on 22.01.2023





Delivered a guest lecture on “UAS, Dharwad new released varieties and technologies” to AO, AAO, BTM, ATM of Dept. of Agriculture at DATC, Bagalkote by Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote on 23.01.2023.



Diagnostic field visit to Zn and Fe deficiency in sugarcane crop at Katagenahalli, Guledgudda (Tq). Visited by Dr. M.R. Kammar, SS&H, Dr. Dinesh Kumar S.P. Scientist (Agronomy), Dr. Sudha S. Scientist (Plant Pathology) & Dr. S.C. Angadi, Senior Technical Officer, ICAR-KVK, Bagalkote on 24.01.2023.



Off campus training programme on “Integrated Crop Management in new Sugarcane variety SNK-9293” was organized by Dr. Dinesh Kumar S.P. Scientist (Agronomy), Dr. M.R. Kammar, SS&H, Dr. Sudha S. Scientist (Plant Pathology) & Dr. S.C. Angadi, Senior Technical Officer, ICAR-KVK, Bagalkote at Katagenahalli, Guledgudda, on 24.01.2023.



FLD-Demonstration of safflower A-2020 fallow up filed visit and observation taken by Dinesh Kumar S.P. Scientist (Agronomy), Dr. Venkanna Balaganur, Scientist (Animal Science), ICAR-KVK, Bagalkote on 24.01.2023 at Niralakeri of Bagalkote (Tq), Katageri of Guledgudda (Tq) and Kagalgomba of Badami (Tq)



Dr. Dinesh Kumar S.P. Scientist (Agronomy), ICAR-KVK, Bagalkote, delivered lecture on “Integrated Crop Management in new Sugarcane variety SNK-9293” in the Off campus training programme at Katagenahalli, Guledgudda, on 24.01.2023.



OFT-Assessment of chickpea varieties suitable for mechanical harvesting fallow up filed visit and observation taken by Dinesh Kumar S.P. Scientist (Agronomy), Dr. Venkanna Balaganur, Scientist (Animal Science), ICAR-KVK, Bagalkote on 24.01.2023 Katageri of Guledgudda (Tq) and Kagalgomba of Badami (Tq)





## ICAR-KVK, BALLARI

### Scientific Advisory Committee meeting

Twenty second Scientific Advisory Committee meeting was conducted on 25 January 2023 at ICAR-KVK Ballari. Meeting was chaired by Dr.M.Hanumathappa, Honourable Vice-Chancellor, UAS, Raichur. In his opening remarks he suggested to take the KVK programmes to the unreached areas of the district and also suggested to disseminate the information to the farmers based on meteorological updates. He has also elaborated the objectives of SAC meeting and highlighted the need for convergence of various organisations to make the interventions in agriculture and to provide sustainable livelihood for farming community. Dr.M K Naik., Director of Extension, UAS, Raichur suggested to make small clippings of the KVK activities to popularize the technologies in large through social media. Dr.M J Chandre Gowda, Principal Scientist and Nodal Officer of KVK Ballari suggested to organize technology week based on local needs. He also stressed upon

importance of the publications of KVK work with respect to social, economic and environmental impact of implemented programmes. Dr.Ramesh B K., Senior Scientist and Head presented the action taken report for previous SAC proceedings and thrust areas to focus in next year action plan.

Other Scientists of KVK Ballari have also presented their work done for 2022-23. During the programme, organic sugarcane juice made afresh by Shreshta Krishika Sri.Ravikumar of Ballari and fig value added products made by Smt.Evanjali, Hospet were served to the gathering with a note on the successful entrepreneurial venture that they have achieved. Two folders on millets and branded fig products have been released by the delegates during the occasion. Officials from different line departments like State Department of Agriculture, Horticulture, Animal Husbandry and Veterinary, NABARD, ICAR-Indian Institute for Soil and Water Conservation, progressive farmers, SHG women, representatives of FPOs attended the programme and gave their valuable suggestions.





## ICAR-KVK, BELAGAVI-1

### Diagnostic field visit to mango, jamun and banana plots at Kaithnal village

A diagnostic field visit was made by Dr. D. A. Mhetre, Senior Scientist and Head, and Shri. P. M. Patil, Scientist (Horticulture) from ICAR Birds KVK, Belagavi-1, at Kaitnal village in Gokak taluka to address the problems in mango, jamun, and banana on the farmer's demand. We went to mango plots and found late-flowering trees, as well as dieback and powdery mildew affected inflorescence. followed by a Jamun plot visit where we diagnose the bark-eating caterpillar, leaf-webber, flower, and fruit drop. The local cultivar (Rajapuri) ratoon crop was in desperate need of nutrients, so more suckers were left for the second crop. An organised group discussion at Laxmi Temple with 22 farmers and farm women who cultivate the mango, jamun, and banana discussed the problems identified and suggested control measures as per the package of practises in agronomic practices, organic inputs, and chemicals required to control problems in the mango and jamun. The nutrient schedule, ratoon crop maintenance, mattocking, de-navelling, de-suckering, banana special, and bunch feeding of bananas were all discussed. Among the farmers present, 15 jamun and mango growers and 10 banana growers addressed each farmer's crop-specific problem.





## ICAR-KVK, BELAGAVI-2

### Drone Demonstrations

ICAR-KLE Krishi Vigyan Kendra, Mattikopp initiated the demonstration of drone spraying technology in the farmers' fields in an area of 250 ha covering the crops like sugarcane, bengal gram, soybean, wheat, sunflower, groundnut, chilli, mango and cabbage with nutrients/ pesticides appropriate for the crop growth in different taluks of Belagavi district. A total of 312 farmers benefited by the demonstration. The programme was launched in holy presences of Sri. Sri. Sri. Umeshwar Shivacharya Hiremath of Jadisiddeshwar Mutt of Dodawad village, Bailhongal taluk. The programme was inaugurated by Dr. V.I Patil, President, CADA, Belagavi. During his inaugural address called upon the farmers to adopt drone technology for spraying of nutrients and pesticides as per recommended dosage. These drones are considered as the future for the agrarian community. The drone spraying helps to boost crop yields and minimize the time and expenses. Hence, the income of the farmers is enhanced as compared to the traditional

practices. Mrs. Sridevi B. Angadi, Senior Scientist and Head gave the opening remarks and highlighted that nutrient deficiencies, pests and diseases are always a problem to the farmers, spraying chemicals, manually will always pose a health hazard and is very time consuming and labour intensive. Opting for drone spraying is more beneficial which will improve the overall quality of the crops, improve yield and save the expenditure on the crop. The gathering was welcomed by Sri. S. M. Warad, Scientist (Soil Science) and Vote of thanks was rendered by Sri. Praveen Yadahalli, Scientist (Horticulture). Thereafter the field demonstrations were carried out with the farmers previous registered with the KVK. The drone demonstration was witnessed by more than 100 farmers.

### Natural Farming Awareness Programme

Natural farming awareness programme was organized at Dodawad village, Bailhongal taluk. The farmers gathering was addressed by Sri. Sri. Sri. Umeshwar Shivacharya Hiremath how is practicing the principles of natural farming in the mutt and educating the people to follow the same. Swamiji highlighted that, as our country has diversified agro-climatic





situation there is a lot of scope for practicing the natural farming. Few farmers practice traditional knowledge for improvement of the soil fertility by keeping the soil un-ploughed nor weeding activity is carried out to promote the multiplication of micro-organisms along with the growth of earthworms to increase the productivity of the crop. Sri. S.M. Warad, Scientist (Soil Science) explained about the importance of natural farming and their four principles for sustains of soil productivity and enhancing food production. Apart from that utilization of bioagents for control of occurring pests and diseases for chemical free farming. Further demonstrated the preparation methods of jeeva amruta and beeja amruta and its application at the field level.

### Nutrition garden

ICAR-KLE Krishi Vigyan Kendra, Mattikopp organized training programme on importance of raising nutrition garden. A total of 30 farmwomen participated in the training from Bailhongal and Khanapur taluk. The nutrition garden create interest among the children for cultivation of the crops along with their family members and allowing the vegetables to be tasted which has cultivated by them, the nutrition garden not only ensures the nutrition of the family but also positively utilizes the free space. By raising the nutrition garden, it will also improve the financial condition of the family and also ensures the adequate quantity of other vegetables and green leafy vegetables for the family members.



### KREDL Programme

A training cum awareness programme on BEE Labelled Energy Efficient Pumpsets and Water Conservation was organized at KLE Society's G.I. Bagewadi Arts, Commerce & Science College, Nippani on 24.01.2023 in association with ICAR-KLE Krishi Vigyan Kendra, Mattikopp, Karnataka Renewable Energy Development Limited, Bengaluru and Bureau of Energy Efficiency.

The programme was inaugurated by Mrs. Sridevi B. Angadi, Senior Scientist & Head, KVK, Mattikopp and said that, energy is required in all sectors of life and its judicious use is the need of hour. Similarly, water is a precious natural resource which every creature on earth need it regularly and this has to be conserved for suitable utilization.

During the technical session, Smt. Savita S. Meti, Assistant General Manager, KREDL, Regional Office, Dharwad highlighted that, most of energy is generated from non-





renewable sources like coal, natural gas and mineral oil which will release high heat and carbon dioxide and further harm the environment. There is an urgent need to use non-renewable energy sources like solar, water and wind for effective energy utilization. She called on farmers to use energy efficient BEE labelled pumpsets and solar pumpsets for irrigation in agriculture.

Speaking on the water conservation theme, S.M. Warad, Scientist (Soil Science) explained that, only 25% of water is found to be good quality on earth and 70% of this water is being used for irrigation in agriculture sector. Only 8% of rainwater is conserved in India and water conservation is to be given prime importance for sustainable food production in the country. He briefed water conservation practices like bunding, inter-terrace land management practices, storage of run-off water in farm pond in arable lands and micro catchment in-situ water harvesting structures in non-arable areas.

Shri. Mahesh R. Bagewadi, Chairman, GIB College participated as Chief Guest and Dr.M.M. Hurali, Principal, GIB College, Nippani presided over the function. Around 150 farmers and students took part in the programme.

### Millet Mela

KVK exhibited Millet stall during Millet and Organic Fair 2023 organized by Department of Agriculture, Belagavi from 26 January to 27 January 2023. The live samples of all the millets and value added products were exhibited. The stall was inaugurated by Shri Govind Karjol, Hon'ble Minister of Major and Medium Irrigation, GoK and District Minister, Belagavi.



The posters on importance of Millet cultivation, Agronomic practices of all the millets, Health benefits of millets, Processing of millets etc were displayed in the stall. Shri Duryodhana Aihole, Hon'ble MLA, Raybag and Chairman of Karnataka Adijambava Development Corporation and Dr. B. D. Biradar, Director of Research, UAS, Dharwad visited the stall and appreciated the efforts of the KVK in transfer of technology to farming community.

### Establishment of Dragon Fruit Orchard



KVK established Dragon Fruit Orchard at the KVK Instructional Farm with the funding support from ATMA, Department of Agriculture, Belagavi under the project entitled "Evaluation of Different Varieties of Dragon Fruit Suitable for Belagavi Region". The new orchard was established in the presence of Shri B. R. Patil, Chairman, ICAR-KLE KVK, Mattikopp and Dr. Mallikarnjun B. Hanji, Chief Technical Officer, ICAR-ATARI, Bengaluru.



## Walkathon on the eve of Millet Mela

KVK Scientist took part in the Walkathon organized by Department of Agriculture, Belagavi as the year 2023 has been declared as the "International Year for Millets". Walkathon was aimed to create awareness among General Public/Urbanites on importance of millets, its health benefits and to popularize the consumption of millets for control of various life style related disorders. The flag was waved off by Shri Nitesh Patil, Deputy Commissioner, Belagavi along with other line department officials of the district. In the Walkathon school children, college students, Agri-input dealers etc participated in the event.



## ICAR-KVK, BENGALURU RURAL



The 14th Scientific Advisory Committee (SAC) meeting of ICAR-KVK, Bengaluru Rural District was held on 30.01.2023 under the Chairmanship of Dr. S.V. Suresha, Honorable Vice Chancellor, University of Agricultural Sciences, Bengaluru. Dr. P. Veeranagappa, Scientist (Soil Science), KVK, BRD welcomed the chairman and members of the committee. The Vice Chancellor briefed the mandates of KVK to the progressive farmers, Department officials and the purpose of holding SAC meeting in the inaugural speech.

Dr. J. Venkate Gowda, Senior Scientist and Head, KVK, BRD, presented the Action Taken Report of 13th Scientific Advisory Committee meeting and obtained the approval. Further, he presented the results of On Farm Testing, Front Line Demonstrations which were

carried out in the 2021-22, training Programmes, extension activities, progress of farm activities of present year and action plan for the year 2023-24. Detailed interactions and discussions were carried out by the SAC members and progressive farmers.

During the programme Dr. K. Narayana Gowda, Director of Extension, Dr. Kolekar, Nodal Officer from ATARI, Associate Director of Research, Joint Director of Agriculture, other SAC members, CEOs of FPOs, Progressive farmers and farm women were presented.

During the occasion, Technical Bulletin on Nutrients availability in soils of Bengaluru Rural District and leaflets on Liquid form of Nano urea, Management of Rugose white flies in coconut crop, Integrated crop management in field bean, Processing and value addition of millets and Integrated crop management in Rose were released by the dignitaries and the programme ended with vote of thanks.





## ICAR-KVK, CHAMARAJANAGAR

### Importance of nutrition garden

A capacity building programme on Importance of nutrition garden was organized on 23.01.2023 at ICAR, KVK, Chamarajanagara. Dr. Deepa J., Scientist (Home science) highlighted the importance of nutrition garden, elements of a nutrition garden, crop selection, crop planning, its influence for a healthy diet, recommended dietary allowance for all age groups, significance of balanced diet and also the importance of fruits and vegetables in our daily diet.

Dr. Yogesh G. S., Senior scientist and Head, explained about the soil management practices, important soil properties and their relation to plant nutrition, importance of soil and water conservation, macro and micro nutrients functions, application of vermicompost and raising of bed for nutrition garden.



## ICAR-KVK, CHIKKABALLAPURA



ICAR- Krishi Vigyan Kendra, Chikkaballapura conducted Scientific Advisory Committee (SAC) meeting on 17.01.2023. Dr. S.V. Suresh, Honorable Vice Chancellor, UAS, Bangalore, Dr. Narayana Gowda, Director of Extension, UAS, Bangalore, Dr. D.V. Srinivasa Reddy, Principal Scientist, ATARI and other

dignitaries inaugurated the programme. Dr. S.V. Suresh, Honorable Vice Chancellor emphasized about strengthening KVK in dissemination of technologies to the farming community. Dr. Narayana Gowda in introductory speech explained about purpose and need of SAC meeting. Dr. Papireddy M., Senior Scientist and Head presented action taken report and work done report. Officials from different institutes, line department officials and farmers participated in the programme. Extension literatures were released during the event. Dr. Tanweer Ahmed, Scientist (Agricultural Extension) delivered vote of thanks.





## ICAR-KVK, CHIKKAMAGALURU

### 34th Scientific Advisory Committee meeting

ICAR- Krishi Vigyan Kendra, Mudigere, Chikkamagaluru has organized 34th Scientific advisory Committee meeting on 31-01-2023. The programme was inaugurated by Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor, KSNUAHS, Shivamogga and in his inaugural speech he briefed about training programmes, capacity development programmes and awareness programmes which were organized by the KVK and also awareness programme on Arecanut Leaf spot disease which were benefited more than 5000 farmers. Further advised for vegetable seed production, research on plant protection and farmers should be introduced to entrepreneurs and exporters.

Dr. B. T. Rayudu, Nodal officer, ATARI, Bengaluru attended the meeting and he advised about importance on economically development of Farmers producers' organization (FPO), central and state government launched many schemes and those schemes are should reach the farmers. Further more importantly give trainings on secondary agriculture systems, value added products, processing, storage, employment generation, weather-based farming system, precision agriculture and innovation technologies and varieties developed by the scientist.

Dr. B. Hemla Naik, Directorate of Extension, KSNUAHS, Shivamogga, advised for awareness programmes on soil nutrition, natural farming and integrated crop management and training programmes on exotic fruits and vegetable seed production.

Dr. Krishnamurthy, A.T, Senior Scientist and Head presented the last 33rd Scientific advisory committee's (SAC) action taken report and presented On farm trails (OFT), Front line demonstrations (FLD), Field days, and trainings conducted during 2022-23.

Further members of SAC, line department officers and Progressive farmers discussed about the action plan for 2023-24. Total 48 Members were attended this meeting.





## ICAR-KVK, CHITRADURGA

### Millets and Organics – International Trade Fair 2023

The Millets and Organics – International Trade Fair 2023 was organised by Department of Agriculture and KAPPEC, Government of Karnataka. It was a platform for farmers, farmer groups, domestic and international companies, central and state institutions in organic and millet sector to connect and explore opportunities in Agri-Horticulture, processing, machinery and Agri-technology. The venue of event was Palace grounds, Tripuravasini, Bangalore and was held from January 20th to 22nd of 2023.



Krishi Vigyan Kendra, Chitradurga represented Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga. Honourable Vice chancellor of the University, Dr. R. C. Jagadeesha inaugurated the KNSUAHS stall. In this Event, KVK, Chitradurga stall displayed

informative charts on millets, nutritive value of millets and also value added products of Millets like Millets Laddu, Poushtika laddu, Mixture, Chakkuli, Nippatu, Instant Dosa mix, Shishu malt and many more. Dr. Kumar. O., Sr. Scientist and Head, Dr. Onkarappa. S., Scientist (Plant protection), Dr. Preethi., Scientist (Agricultural Extension) and Mr. Rudramuni. T., Farm Manager participated in the mela. Around thousand visitors per day visited the stall and obtained the information on various millets, cultivation practises, nutritive value, procedure of value addition and various value added products.

### Scientific Advisory Committee (SAC) meeting

The 17th Scientific Advisory Committee meeting of KVK – Chitradurga was held on 28th January 2023.

The programme was inaugurated by Honourable Vice-chancellor, Dr. R. C. Jagadeesha, KNSUAHS, Shivamogga. The Chief Guests are Dr. Hemla Naik. B., Director of Extension, KNSUAHS, Shivamogga, Dr. Srinivas Reddy. D.V., Principal Scientist, ATARI, Bangalore, Dr. Sharanappa Jangandi, Associate Director of Research, ZAHRS-Hiriyur, Dr. K.Manjappa, Dean- College of Horticulture, Hiriyur and heads/staff of the line departments of Agriculture, Horticulture, Sericulture, NABARD manager and progressive farmers. Honourable Vice-Chancellor reviewed 16th SAC meeting action plans and their implementation.

Honourable Vice Chancellor launched the website namely





“kvcchitradurga.karnataka.gov.in” of ICAR-KVK, Chitradurga, released leaflet entitled “Onion seed production and seed production technology” and also released brochures on “Rkam decomposer” ( Nutri rich compost from Areca husk) developed from Jeevasudha Green tech private limited. Dr. Kumar. O., Senior Scientist and Head presented the 16th SAC proceedings, activities conducted by KVK during the year 2022-2023, activities of revolving fund and proposed action plan for 2023-24. President of SAC took suggestions of SAC members and suggested the activities to be taken up in 2023-2024. Honourable Vice Chancellor suggested to take up medicinal plants and Onion seed production plots, Honey Bee demonstration unit , Fodder block, Standardization of Chikki and Household Cooking Oil extraction units. Dr. Hemla Naik. B., Director of Extension and Dr. Srinivas Reddy. D.V., Principal Scientist, presented their views based on the suggestions given by the members. Dr. Preethi, Scientist (Agricultural Extension) hosted the programme and Dr. Onkarappa. S., Scientist (Plant protection) extended the vote of thanks.



## Coconut tree climbing training programme

The training of six days duration on “Coconut tree climbing” was organized by ICAR-KVK, Chitradurga in association with Coconut Development Board, Bangalore. The training programme was inaugurated on 30-01-2023.

Dr. Prakash Kerure, Scientist (Horticulture), KVK welcomed the gathering and gave

introductory speech about training programme.

Dr. Sharanappa Jangandi, Associate Director of research, ZAHRS-Hiriyur, inaugurated training programme and explained about the demand for training on coconut tree climbing and he also suggested all the trainees to utilize this opportunity as this training could become the source of livelihood.

Dr. Kumara. O., Senior Scientist and Head, in his presidential remarks he stressed stated that, Coconut Development Board will conduct many programmes on Coconut tree climbing as Chitradurga is dominant coconut growing area. The mechanical tree climbing reduces drudgery involved in manual coconut harvesting by using this equipment one can climb 25-30 trees/day and earn upto Rs.1000-1200 per day. Hence, this training must be effectively utilized by the trainees. Totally, 20 farm youths and women participated in training programme.





## ICAR-KVK, DAKSHINAKANNADA

### Agriculture waste management through KSNUAHS compost culture

Across the district farmers are producing compost through recycling of farm waste under heap method. This compost contains undecomposed materials that creates many plants nutrient and pest related problems, rather than benefit. Hence it is essential to produce manure scientifically through decomposing farm waste by application of aerobic microbial mixture for improving and maintaining soil health status. In this regard, Dr. Naveen Kumar B. T. Scientist (Agronomy) organized a capacity development programme under FLD programme on KSNUAHS compost culture was organised at Purlappady village of Bantwal taluk and compost culture was provided to 50 farmers.



### Friends of Coconut Tree (FoCT) Palm Climbing Training Programme

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the Six days training programme as part of the 'Friends of Coconut Tree (FoCT) Palm Climbing Training Programme' sponsored by Coconut Development Board (Ministry of Agriculture and Farmer welfare, Government of India) Regional Office Bengaluru from 16th to 21th January, 2023 at ICAR-KVK (D.K), Mangaluru to impart skill for unemployed youth in the art of climbing coconut tree as well as to take up the plant protection measures.



The training programme was inaugurated by Geetha Kulakarni, ACP, Traffic Police. Mr. Ramesh, Traffic Inspector, Kankanady Police Station, Mangaluru participated as a chief guest and addressed the trainees to make use of training for sustainable livelihood. Dr. H. R. Naik, Deputy Director, Department of Horticulture were present during the inauguration programme. Dr. Rashmi R. Scientist (Horticulture) and coordinator of the training programme extended a very warm welcome to the Chief Guest, all dignitaries, invitees and participants. Dr. Ramesha T. J. Senior Scientist and Head on his presidential remarks highlighted about the present status and future scope for development of coconut orchards in the district and inauguration was ended by the Vote of thanks of Dr. Kedarnath, Scientist (Plant protection)

Dr. Rashmi R., Scientist (Horticulture), Dr. Mallikarjun L., Scientist (Soil Science), Dr. Kedarnath, Scientist (Plant Protection), Mr. Jeevan (Programme Coordinator) BVT



Manipal, Mr, Lathish Counselor (Amulya Dakshina Kannada) and Dr Gautham Shetty, Doctor (Dispensary) Fisheries College Campus, Mangaluru were participated as the resource persons during the 6 days training programme. During the last session of the training, a 'Coconut Olympics' was also conducted in which the trainees were able to climb the 40 feet palms within 75-80 seconds. The valedictory function was organized on 21st January 2023 with distribution of coconut climbing machine, Cash prize to the best 3 climbers got first three places during the Coconut Olympics and certificates to the participants.



## ICAR-KVK, DAVANAGERE

### Field Visit to NMOOP-CFLD – ICM in Groundnut

Follow up field visit to the Integrated Crop Management in Groundnut (G2-52) under NMOOP- Cluster Frontline Demonstration at Siddamanahalli, Jagalur Taluk. Crop is at 25 days old. Mr. Mallikarjuna B.O., SMS (Agronomy) delivered lecture on the importance of the Gypsum in groundnut for higher pod yield and oil content. Provided the Gypsum for the farmers as a critical inputs for the selected 12 farmers in 5 ha. Mr. Mithun., Assistant Director of Agriculture Jagalur visited the plots and interacted with the farmers regarding the new variety and suggested farmers to follow the technology provided by the KVK Scientists.



### Creating Awareness on NANO Urea in Finger Millet

International Year of Millets - 2023 will be aimed to increase the production and productivity of millets. Conducted off campus training program under FLD on integrated crop management in Finger millet at Hireharakere village of Jagalur taluk. Mr Mallikarjuna B.O., SMS (Agronomy) delivered lecture on the use





of NANO urea in finger millet after 25 days after sowing. Instead of application of granular urea as a top dressing, go for spraying of NANO urea @ 4ml/l of water. Conducted the method demonstration on the preparation of the NANO urea for spraying and provided the critical input to 25 FLD farmers.

### Celebration of International year of Millets

Mr. Mallikarjuna B.O., SMS (Agronomy) delivered lecture on the Importance of millets, production technology and processing techniques to Krishi Sakhi participants (66 farm women) participated in the programme.



Organized International Year of Millets in collaboration with Institution of Agricultural Technologist, Davanagere. Delivered lecture on the preparation of the Millets Cookies and its importance on the health for the DAESI students. 45 members participated in the program.

### 20th Scientific Advisory Committee Meeting

ICAR-Taralabalu KVK conducted 20th Scientific Advisory Committee meeting. Dr. Basavarajappa K.P. Secretary, Taralabalu Rural Development Foundation, Sirigere and Member, Karnataka State Planning Commission, GoK. In his presidential remarks he highlighted that in Karnataka 62 % of people depend on Agriculture for their livelihood. We need to work towards Doubling of Farmer Income, which is possible by adopting three major practices viz., Integrated Farming System (IFS), reducing cost of cultivation and providing suitable market price for their produce. Further, opined that agriculture and allied departments and KVK work together for the benefit of farmer. Dr. D. V. Kolekar Scientist (Agriculture Extension) ICAR-ATARI, Bengaluru expressed that KVK play a vital role in improving the economic status of the District. Dr. S. U. Patil, Assistant Director of Extension, KSNUAHS, Shivamoga, in his remarks expressed that KVK need to focus more on soil and water conservation. Mr. Srinivas Chintal, JDA, Davanagere, expressed concern over the increase in cost of cultivation in crop production of the District. Dr. Devaraja T. N. Senior Scientist and Head presented the Annual Progress Report. Dr. H. K. Veeranna Professor KSNUAHS, Shivamoga, Development Department Officials, Progressive Farmers of the district and KVK Scientists were present.





## Assessment of Spindle bug management in Arecanut

On farm trail on Spindle bug management in Arecanut is implemented in Nitturu village of Harihara taluk. Dr. Avinash T. G. SMS (Plant Protection) addressed the farmers, spindle bug infestation more in young gardens, 3 technologies will be evaluated for their efficacy. Technology from CPCRI, Kasargod : spraying of Thiamethoxam 25% WG @ 0.25 g/l of water to the spindle leaf and inner most leaf axils. KSNUAHS, Shivamoga (AICRP-Arecanut) technology : spraying of Profenophos 50% EC @ 2 ml /l of water to the spindle leaf and inner most leaf axils, TNAU, Coimbatore technology : 2 sprays of Fish Oil Rosin Soap @1 kg in 80 l along with 1% Neem oil at 10 days interval will be evaluated along with farmer practice. Mr. Sannagoudru H. M. SMS (Soil Science) and Mrs. Rekha SADH, Harihara, present during the program. Critical inputs were provided to farmers.



## ICAR-KVK, DHARWAD

### Guest lecture on Millets-Nutrition, Processing and Value addition

A training programme for cooks working in Akshara Dasoha Programme of Dharwad was organized by Taluk Panchayat, Dharwad at Aluru Venkatarao Bhavana, Dharwad on 20.01.2023 to train them in health sanitation and inclusion of millets in midday meal programme. Dr. Geeta S. Tamgale, Scientist (Home Science), ICAR-KVK, Dharwad participated in the programme and created awareness on "Millets-Nutrition, processing and value addition" as a resource person. Discussion was held on usage of millets and their health benefits. More than 500 women members from Dharwad taluka attended the programme.





## Guest lecture on Role of women in family management and personality development of children

A taluka level Mahila Samavesha was organized by SKDRDP, Dharwad on 20.01.2023 at SKDRDP Training Centre, Rayapur, Dharwad. The programme was inaugurated by Mrs. Padmalatha Niranjankumar, Director (ALC, SDM) and presided by Shri Duggegowda, Regional Director, SKDRDP. Dr. Geeta S. Tamgale, Scientist (Home Science), ICAR-KVK,

Dharwad participated in the programme as resource person and delivered lecture on "Role of women in family management and personality development of children". Discussion was held on management tactics. More than 1000 SHG women from Dharwad taluk participated in the programme and few entrepreneurs shared their success stories. Cultural programmes were also conducted.



## Field day on Millets

A Field Day on Little millet and Brown top millet was organized at Ramapur village of Kundagol taluka by Sahaja Samruddha, SWISSAID and FiBL on 30.01.2023. Dr. S. A.

Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad and Dr. Geeta S. Tamgale, Scientist (Home Science), ICAR-KVK, Dharwad participated in the programme and delivered lecture. Different varieties of millets were grown on experimental basis and were evaluated by the farmers themselves on participatory mode. Evaluation was done based on the good criteria expected by the farmers as a good crop. Different recipes prepared from millets were exhibited and participants were made aware of preparation of these recipes. Millets growers were felicitated. More than 150 farmers, entrepreneurs and consumers were present.





## Field day on Rabi crops

A Field Day on Rabi crops was organized at the farm of Shri Gurusiddappa Hubballi from Rayapur village of Dharwad taluka on 29.01.2023. Dr. S. A. Patil, Former Vice Chancellor, UAS, Dharwad, Dr. B. S. Janagoudar, Former Vice Chancellor, UAS, Dharwad, Dr. V. I. Benagi, Former Vice Chancellor, UAS, Dharwad were present as guest of the programme. The selected progressive farmers excelled in agriculture and allied areas from all the talukas of Dharwad district were honored during the programme. Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad, Dr. V. I. Benagi, Former Vice Chancellor, UAS, Dharwad, Dr. Kumar Lamani, Dr. B. S. Patil, Principal Scientist, IARI-RRC, Dharwad were resource persons and discussed about the Improved practices for rabi crops in general and Bengalgram in particular. About 500 farmers participated in the programme.

## Field Day on Mango

A Field Day on Mango and Scientists interaction with producers and buyers of mango was organized by RHREC, Kumbapur farm, UHS, Bagalkot on 28.01.2023 at the farm of Shri Subhash Akalawadi from Nuggikeri village of Dharwad. Dr. S. I. Athani, Director of Extension, UHS, Bagalkot inaugurated the programme. Dr. V. I. Benagi, Former Vice Chancellor, UAS, Dharwad is guest of the programme. The Scientists of Kumbapur farm and Dr. S. A. Biradar, Senior Scientist and Head, ICAR-KVK, Dharwad were resource persons and discussed on agronomical practices, importance and use of mango special, pest and diseases, processing and value addition and marketing of mango. Demonstrations on use of sticky traps, light traps, mango special spray, harvesting equipments etc., were arranged. More than 150 participated in the programme.





## ICAR-KVK, ERNAKULAM

### Training on Ornamental fish farming

The KVK conducted one-day training on Ornamental fish farming for school students on 16th January 2023. Thirty numbers of Plus Two students of Govt. Vocational Higher Secondary School, Narakkal participated. The programme was conducted as part of the KVK's efforts to attract youngsters to Agriculture and allied enterprises.



### Precision farming of watermelon: Field day conducted

The KVK conducted a field day on Precision farming of watermelon at Panayikkulam village in Alangad near Ernakulam. The frontline demonstration of Precision farming of watermelon in summer Paddy fallows is aimed at maximising farmer's income by utilizing fallow lands. The sowing of watermelon was inaugurated by Shri Abdul Muthalib, Chairman Urban Bank. Progressive farmers attended.



## ICAR-KVK, GADAG

### Seminar on millets

Millets Seminar was organised at ICAR-K.H.Patil Krishi Vigyan Kendra in collaboration with ATMA, KSDA, Gadag on 10-01-2023. The seminar was inaugurated by Dr.Khadar Vali, Food Scientist and spoke on importance of millets in daily diet and its usage. Further, he said that, the increase in life style disease like blood pressure, thyroid, diabetes is due to the consumption of rice and wheat. The daily intake of millets daily helps in getting dietary fiber which reduces the acidity and constipation problems. Dr.L.G.Hiregoudar, Senior Scientist and Head shared own experiences of consumption of millets and its impact on health. Smt. Taramani G.H., Joint Director, KSDA, Gadag said that 2023 is declared as International Year of Millets. In this regard,





consumption of millets daily to have good and sound health. On this occasion, Shri Mallayya Koravanavar, ADA, Gadag, Shri.Ravi. P.R., ADA, Gadag were present on this occasion. Dr. Sudha V. Mankani, SMS (Home Science) briefed about Millets and its value added products. The exhibition on millets and value added products was organised. More than 600 farmers participated in the seminar.

## ICAR-KVK, HAVERI

### Field day on rabi sorghum (SPV – 2217)

ICAR-KVK, Haveri (Hanumanmatti) organized field day on *rabi* sorghum (SPV – 2217) at Rahutanakatti village of Ranebennur taluk on 23.1.2023. The event was chaired by Dr. Ashoka P, Senior Scientist and Head KVK Haveri, explained on *rabi* sorghum is the main food and forage crop in the Northern part of the Karnataka. This new variety yields 15 to 18 per cent higher yields than the Maldandi variety. During the harvest leaves are green and the quality of forage is good for the cows and the variety has lodging resistance and stay green fodder at the time of harvest. The farmers on long ago growing of Malindi (M-35-1) variety. It is still a very popular variety however, SPV-2217 *rabi* sorghum cultivar has been found to have similar and better qualities. The seed of the same breed could be used by other farmers in the coming days.



### Mushroom Cultivation Training Program at KVK, Hanumanamatti

A “Training Program on Mushroom Cultivation” was organized on 23.01.2023 at KVK, Haveri (Hanumanamatti) to farmers of Savanur Farmers Producers' Company and farmers from Rattihalli RSK. Dr. Ashoka P, Senior Scientist and Head of KVK, Hanumanamatti speaking in his introductory speech, women and unemployed youth are better-off for mushroom cultivation. Income can be generated by women associations and farmers' producer companies by growing mushrooms, processing and selling. Each member farmer can earn enough income by mushroom farming which is very important to increase farmers' income, and farmers should make good use of it. Mushroom farming is a very easy activity with very low investment and can fetch income in 20 to 25 days. The women if they grow mushrooms using the space available in the backyard or inside the house, they can see a bright future.

Smt. Shobha Nisseemagowdara, President, Savanur Farmers Producers' Company, Huralikuppi have inaugurated the program and said in her speech that mushroom cultivation is pure vegetarian and should be





consumed by all. Mushrooms contain a lot of nutrients needed for good health of human beings. She said that mushroom should be given more publicity for growing by those who do not have land. It should be eaten by them and be given to their neighbours.

Then Dr. Noor nawaz A.S., Assistant Professor, (Department of Microbiology), Collage of Agriculture, Hanumanamatti gave lecture on “Mushroom cultivation” which is a highly profitable sub-occupation for farmers. He said that white button (*Agaricus*) milky mushroom and oyster mushroom are being grown mostly. oyster can be easily grown at home. First harvest can be done in 23 to 25 days after sowing in paddy straw in poly bags. Paddy grass and wheat grass are suitable for this mushroom. About 20-25 C temperature and 70 per cent RH needed for its survival. It is becoming increasingly popular. Its cost of cultivation is less compared to other mushrooms. An economic analysis of oyster farming indicate that, to get 50 kg of mushroom about 100 kg of paddy grass and 5kg mushroom seeds are required. The price of mushroom per kg is Rs. 150. And around 7500 income comes from 5 kg seeds in one month.

He said that after deducting the expenses, one can get a net income of about 5000.

Dr. Santosh H.M., Scientist (Horticulture) said that eating mushrooms have more nutrients compared to other vegetables. Mushrooms are rich in protein, vitamins, high nitrogen, and other nutrients and minerals. Edible mushrooms are a good food for diabetics and heart patients as they are low in sugar and fat. These are genuine. It is a vegetarian food and is also known as a white vegetable. In recent times, mushroom cultivation has become a non-agricultural activity that increases the demand and income of farmers. He also said that these can convert agricultural wastes into fertile manure. The farmers were informed about mushroom seed production companies and mushroom buying companies in Karnataka. Mr. Siddesh from Ranebennur who is involved in mushroom cultivation, shared his experience in mushroom cultivation and informed the farmers about mushroom seed, storage, marketing, etc. In this program, Soil Scientist, Dr. Rajakumar G. R told about medicinal mushroom cultivation. About 85 women farmers from Savanur and Rattihalli taluk participated in this training.





## ICAR-KVK, IDUKKI

### Scientific model Farm in Adimaly Cluster village

Demonstration of Scientific model Farm was conducted at 21 wards of Adimaly Village In Idukki district. A total of 21 farmer plots were selected for conducting scientific demonstration of different technologies. The Project was Implemented in association with Department of Agriculture Development and Farmers' Welfare, Kerala. Field Visits and Method Demonstrations were conducted by Ms.Manju Jincy Varghese, Subject Matter Specialist (Soil Science) and Mr. Sudhakar S, Subject Matter Specialist (Plant Protection) on different technologies in Various crops in

adimali like Black Pepper, Cardamom, Nutmeg, Vegetables, coconut. Application of IISR Black Pepper special in black pepper, Kalpavardhini in coconut Palms, VAM in black pepper, Traps in vegetable and coconut, Arka microbial consortium in vegetables, Entamopathogenic nematode in small cardamom, Pseudomonas and trichoderma in vegetables was demonstrated to the farmers. The farmers were made aware on different technologies of different research institutions used in control of deficiencies, Pest and Diseases.





## ICAR-KVK, KALABURGI-1

### 20th Scientific Advisory Committee (SAC) Meeting

ICAR- Krishi Vigyan Kendra, Kalaburagi conducted 20th Scientific Advisory Committee (SAC) meeting on 19.01.2023 under the Chairmanship of Dr. M. K. Naik, Director of Extension, UAS, Raichur. At the outset, the Member Secretary and Dr. Raju G. Teggelli, Sr. Scientist and Head, ICAR-KVK, Kalaburagi-1 welcomed the gathering and presented the action taken report of 19th SAC meeting subsequently the activities carried out during the year 2022-23.

Dr. M. J. Chandregowda, Principal Scientist & Nodal officer, ICAR-ATARI, Bengaluru; Associate Director of Research, MARS, Raichur; Head of departments of Agriculture and Allied departments of Kalaburagi district viz., Horticulture, Forestry, Sericulture, Veterinary, Fishery, APMC, KSSCA and KSSOCA; NABARD and DCC bank representative, Progressive farmers & Agri-Entrepreneur who are SAC members and invitees attended for the 20th SAC meeting. Dr. M. M. Dhanoji, Dean (Agri), Agriculture College, Kalaburagi. Dr. B. M. Dodamani, Associate Director of Research, ZARS, Kalaburagi, Dr. N. A. Patil, Director of Extension, KVAFSU, Bidar and Dr. Siddramappa Patil, Dangapur, President, District Krishika Samaja, Kalaburagi

inaugurated the SAC meeting by watering to the plant as well as Kiosk Knowledge centre.

The Director of Extension, UAS, Raichur in his inaugural speech told that, the ICAR, Krishi Vigyan Kendra's are the light house of knowledge for agriculture and line departments, FPO's and NGO's. So, further asked to collaborate with KVK for transfer of technologies of UAS, Raichur for the welfare of the farmers. Dr. M. J. Chandregowda, Principal Scientist & Nodal officer, ICAR-ATARI, Bengaluru asked the members of SAC to give their valuable suggestions for improvement of KVK functioning. Further, told that the suggestions should be science based.

The Nodal officer told to emphasize more on millets and its processing in collaboration with line departments compile all the technologies from CFTRI, CIPHET, and other institutes and train the farmer on those technologies also provide market linkages to FPOs for value added products. The President of Krishika Samaja, advised to conduct trainings and demonstrations for youth on Integrated Farming System and marketing of agriculture produce at farmer's field (Gram Panchayat level) in collaboration with line departments. At the end, vote of thanked by Dr. Vasudev Naik, Scientist (Horticulture), ICAR-KVK, Kalaburagi. Finally, all the participants sung national anthem and closed the programme.





## Workshop on Improved Agronomic Practices for increase of farmer's income

ICAR-Krishi Vigyan Kendra, Kalaburagi-I organized one day Workshop on Improved Agronomic Practices for increase of farmer's income in collaboration with Karnataka State Council of Science and Technology, Regional Office, VTU Campus, Kalaburagi on 21.01.2023. Sir C.V. Raman awardee winner Scientist Dr. M.S. Jogad inaugurated the programme and highlighted on sustainable agriculture and important role of Agricultural scientists and farmers in improving soil fertility and its health. Dr. M. J. Chandregowda, Principal Scientist & Nodal officer, ICAR-ATARI, Bengaluru In his presidential remarks explained about the mechanisation in

agriculture, reduce the cost of cultivation and adopting Natural Farming for sustainable production, processing and marketing for out coming of Agriculture entrepreneurship. Scientist Dr. U.T. Vijaya briefed about improved technologies related to Agriculture. Dr. Yusuf Ali, Scientist (Agronomy) explained about package of practice of different crops. Dr. Raju G. Teggelli, Sr. Scientist and Head, ICAR-KVK, Kalaburagi-I welcomed and vote of thanked by Dr. Zaheer Ahmed, Scientist (Pathology). Shivsharanappa Heerapur, Kalyanrao Nagoji progressive farmers and more than 100 farmers were participated the programme and got benefited.



## ICAR-KVK, KALABURGI-2

### 8th Scientific Advisory Committee Meeting

8th SAC Meeting of ICAR-KVK Kalaburagi-II (Raddewadgi) conducted on 19th January 2023. The program was chaired by Dr. M.K.Naik, Director of Extension, UAS, Raichur. Dr. M.J. Chandregowda, Principal Scientist & Nodal officer ATARI, Bengaluru as well as line department official and progressive farmers were present Dr. Manjuanth N., Sr. Scientists presented the previous action taken report and mandatory activities of the centre.

### Field day on Pigeonpea variety GRG-152

On 20<sup>th</sup> January 2023, field day on Pigeonpea variety GRG-152 was organized at Sri Vijaykumar's Pigeonpea field, R/o Yalwar Village of Jewargi taluka. During the event Dr. M.J. Chandregowda, Principal Scientist & Nodal officer ATARI, Bengaluru explained about management practices like selection of resistant variety, Seed treatment and integrated approaches for management of wilt and scientists timely suggestion for drying of Pigeonpea. In the event, Dr. N. Manjunath, Sr. Scientist & Head, Dr. Chethan T, Scientist (Horticulture), Mr. M.C. Patil, Tech. officer, Sri. Channabasappa and Sri Vijaykumar, progressive farmers and there were 32 farmers grace the occasion.





## Diagnostic field visit to Acid lime and Betelvine

On 23rd January 2023, ICAR-KVK, Kalaburgi-2, Dr. Chethan T, Scientist (Horticulture) visited to Betelvine and acid lime sick plots @ Javalagi village yadrami taluk. To manage decline in Acid lime and foot rot disease in betelvine suggested Arka microbial consortium treatment and citrus special for acid lime and application of trichoderma enriched FYM for Betelvine.



## ICAR-KVK, KANNUR

### Training on value added products from fish

KVK Kannur in collaboration with Cental Institute of Fisheries Technology (CIFT) conducted two day training programme on value added products from fish on 24-25 January 2023. Dr. Sreepriya, Scientist, CIFT handled the session on fish based value added products. Dr. Jayaraj P., Programme Coordinator, KVK Kannur, delivered key note address on importance of value addition for emerging entrepreneurs in the field of fisheries.

Practical sessions on preparation of fish based products such as prawn pickle, prawn chutney powder, breaded and battered products was handled by Smt. Elizabeth Joseph, Assistant Professor (Home Science), KVK Kannur. Twenty trainees from different areas of Kannur district participated in the training programme. Smt. Anjali and Smt. Lovely, Technical Assistants of CIFT also take part in training programme. In the feedback session trainees opined that this programme will be a good initiative to motivate entrepreneurs in the field of fisheries.





## ICAR-KVK, KASARAGOD

### Capacity Building Programme on “Stingless beekeeping”

A special programme on “Stingless beekeeping” was organised at ICAR-KVK, Kasaragod on January 24, 2023 in collaboration with Kasaragod Rural Development Society and Hortcorp, Kerala. The programme was inaugurated by Dr. Manojkumar T. S., Head of the ICAR-KVK, in his opening remarks highlighted about the importance of honey bee in agriculture and its potential for subsidiary income generation of smallholding farmers. Dr. Benjamin Mathew, SMS-Horticulture, ICAR-KVK, Kasaragod, delivered the welcome address and briefed the entrepreneurship potentials and opportunities in stingless bee farming in Kasaragod district. Mr. Benny Daniel, Programme Officer, Hortcorp, Kerala handled the technical session on stingless bee farming methods, bee colony maintenance, honey extraction and marketing potential of the honey. The meeting was concluded with an active interactive session by participating farmers and made them confident to initiate this as an entrepreneurship activity. Mr. Charley Mathew, President, KRDS, Kasaragod, delivered the vote of thanks. A total of 25 farmers participated in the programme.



## ICAR-KVK, KODAGU

### Training Cum Awareness Programme on use of Bee Star Labelled Energy Efficient Pump Sets and Water Conservation

ICAR Krishi Vigyan Kendra, Gonikoppal, Kodagu district organised training cum awareness programme on use of BEE star labelled energy efficient pump sets and water conservation on 18th January 2023 in collaboration with Karnataka Renewable Energy Development Limited, Bengaluru and Bureau of Energy Efficient. The Programme was inaugurated by Sri. Unnikrishnanan, Technical Engineer, Dept. of Mechanical Engineering, Cauvery Polytechnic, Gonikoppal. Sri. Veerendra Kumar K.V, Subject Matter Specialist (Plant Protection), ICAR-KVK, Gonikoppal address the gathering about the programme and welcome all the guests. Sri. Devaiah K.A. Head Incharge, ICAR-KVK, Gonikoppal presided the programme and in his address spoke on the importance of energy conservation and its impact on climate change in agriculture. On the occasion technical bulletin on energy saving and water conservation was released by the guests. A total of 123 farmers, farmwoman, rural electricians, Dealers of Agriculture Equipments and Machineries, officials and scientists were participated in the awareness programme.





## ICAR-KVK, KOLAR

### Farmers hostel and common incubation center foundation day programme

ICAR KVK, Kolar organized Farmers hostel and common incubation center foundation day programme on 19.01.2023. Sushri Shobha Kardandlajeji, Honourable Minister of State for Agriculture and farmers welfare, Government of India, New Delhi. Laid foundation stone for the new buildings. Sri.K.Srinivasa Gowda, Honourable MLA, Kolar Dr.K.M.Indiresh Honourable Vice Chancellor, UHS, Bagalkot. Sri P.H.Pujar, Honourable Member, Board of Management, UHS, Bagalkot. Dr.Venkatata subramanian Director ATARI, Dr.S.I.Athani, Director of Extension, Deputy Commissioner, Kolar district, CEO, Zilla panchayat, Kolar, Sri D.L.Nagaraj, District Krishik Samaj President have participated in the programme. The dignitaries have also inaugurated Natural farming demo unit. Around 550 farmers have participated in the programme.



### Off campus training cum awareness programme on "Promotion of Natural farming under Mulberry Ecosystem"

KVK Kolar organized training cum awareness programme on "Promotion of Natural farming under mulberry ecosystem" at Kallikuppa village, Bangarpet taluk in collaboration with Department of Sericulture, Bangarpet & Bivoltine sericulture farmer producer company Ltd, Bangarpet on 20.1.2023. Dr Anilkumar S, Scientist (Soil Science) KVK Kolar briefed on Soil management through natural techniques and Dr Shashidhar K R Scientist (Sericulture) explained about Pest management of mulberry through biological means. Around 75 farmers participated in the programme.





## District level workshop on "Cultivation practices of mulberry through natural farming"



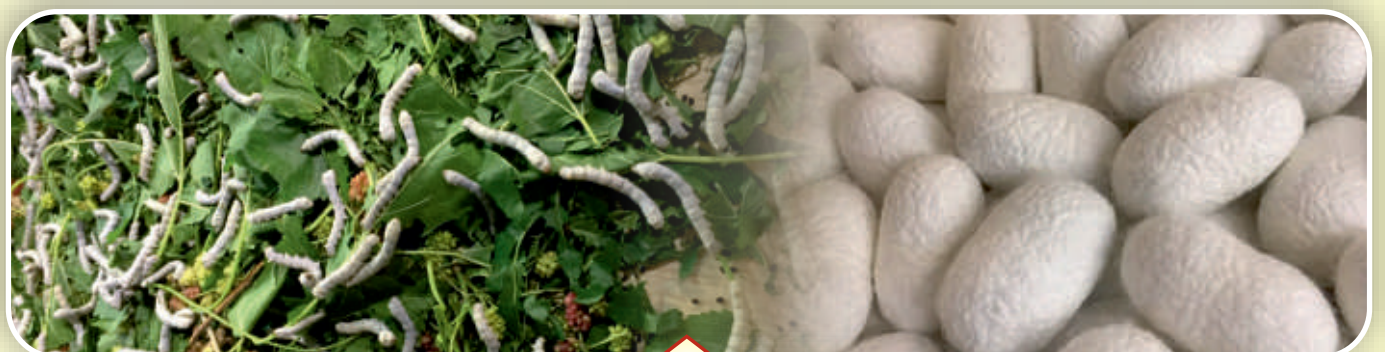
ICAR KVK Kolar organized District level workshop on "Cultivation practices of mulberry through natural farming" in collaboration with Department of Sericulture, Kolar. Sri S.V. Siddareddy, Deputy Director of Sericulture (Retd) inaugurated the programme and addressed the farmers about Management of mulberry and tree mulberry gardens through natural techniques. Dr. S Anilkumar, Scientist (Soil Science) explained about scope and components of natural farming in mulberry cultivation. Dr Shashidhar K R., Scientist (Sericulture) briefed on Mulberry pests management through natural techniques. During the programme demonstrated tractor molded chaff cutter using sericulture farm residue. Around 80 sericulture farmers participated and benefitted from the programme.

## Awareness programmes on Natural farming



KVK Kolar organized awareness programme on Natural farming to the Mandya FPO farmers on 24.01.2023. Dr. Anil kumar, Scientist (SS&AC) explained the preparation of Jeevaamutha, Neemasthra etc around 60 farmers benefited by the program

An awareness programme on Natural farming was organized at Muthanoor Village, Bangarpet Taluk on 25.01.2025. Dr. Anil Kumar S, Scientist (SS&AC) delivered a lecture on Preparation and importance of Jeevamrutha Neemasthra etc. Dr. Shashidhar, K. R, Scientist (Sericulture) delivered lecture on Mulberry crop production under natural farming and Dr. Jyothi Kattedoguar, Scientist (Horticulture) delivered a lecture on scope and opportunities in horticulture crops under natural farming. Around 25 farmers participated in the program.





## ICM Mango Method demonstration



ICAR-KVK, Kolar Horticulture scientist visited Ternahalli village of Srinivapura taluk on 24.1.2023. Observed flowering and discussed farmers feedback on interventions taken as a part of FLD on ICM mango. A method demonstration of use of fruit fly traps as a part of ICM mango was conducted. Mango orchards of Kadudevadahalli, Srinivaspua taluk were visited on 28.12.2023 along with Dr. Sentil kumar, Principal Scientist, IIHR, Bengaluru. Observed delayed flowering in Cv. Mallika, Suggested to foliar application of Bloom to increase flowering and arogya for quality development of fruits.

## ICAR-KVK, KOLLAM

### Demonstration of Neem cake application prior to planting along with *Metarhiziumevades* cucumber beetles, *Aulacophorasp*

Cucurbits play an important role in the diet of Keralites and the major hurdle in the cultivation of cucurbits is the attack of red pumpkin beetles right from seedling stage till harvest. Farmers rely mostly on chemical pesticides for its management. To tackle this indiscriminate use of chemical pesticides KVK, Kollam has taken an FLD on “**Demonstration of organic management practice for red pumpkin beetles in cucurbits**” in three different agro ecological units AEU 1, 9 and 12. In this demonstration, we emphasized the application of Neem cake 500g in the pits prior to planting along with drenching & spraying with *Metarhiziumanisopliae* @ 20gm/lit during early vegetative, vegetative and flowering stage. The results of the demonstration showed 69 per cent reduction in the incidence of red pumpkin beetles with an yield of 23.72t/ha and a BCR of 1.97 without contaminating the environment. The farmers got convinced with the technology. This technology was further propagated through ATMA & Leads programmes of DoA& FW, GoK.





## ICAR-KVK, KOPPAL

### Training programme on Natural Farming

ICAR-KVK, Koppal organized 2 days capacity building programme on Natural Farming from 23-01-2023 to 24-01-2023. Dr. Raghavendra Yaligar, Senior Scientist & Head, ICAR, KVK, Koppal had given information about pest & disease management in Natural Farming. Dr. J. Vishwanath, Principal Scientist, AICRP (SWS), Gangavathi had given lecture on Importance of Natural Farming for better Soil Health. Smt. J. Radha, Scientist (SS & T), explained about the preparation of Beejamrith & Seed Treatment methods. Dr. Mahantesh M.T., explained the importance of desi (indigenous) cows in natural farming. Dr. Jyothi R., Scientist (Horticulture) had given lecture on natural farming methods for Horticultural crops.

Smt. Mamatha Madli, Agromet Observer had explained about Jeevamrith, Ghana Jeevamrith and mulching practices followed in Natural Farming. Sri. Chandrashear Bellulli, Progressive Farmer Kanakagiri shared his knowledge & experience on Natural Farming with farmers, as the farmer practicing it since 11 years.

2nd day of the training programme farmers visited the fields of Natural Farming practicing farmers Sri. Chandrashear Bellulli, Progressive Farmer Kanakagiri and Sri. Shrinath, Muslapura and gained the practical knowledge about preparation & spraying methods of Jeevamrith, Ghana Jeevamrith, mulching practices, panchatarangini method of cropping pest and disease management through Natural Farming method etc. More than 40 farmers were participated in the programme.





## 18th Scientific Advisory Committee meeting organized at ICAR-KVK, Gangavathi

The 18th Scientific Advisory Meeting of ICAR-Krishi Vigyan Kendra, Gangavathi was held on 27.01.2023, started with ICAR song. The Senior Scientist & Head, KVK, Gangavathi welcomed all University officers, ATARI officers, Line department officers and progressive farmers and farm women to the meeting. The programme was inaugurated by the guests by lighting the lamp.

Dr. M.K.Naik, Director of Extension, UAS, Raichur presented the inaugural address of 18th SAC meeting, briefly explained the purpose of conducting Scientific Advisory Committee meeting, Further, Director of Extension suggested to encourage farmers apart from conducting OFT, FLD, trainings etc, KVK should work for improving the livelihood of farmers by giving scientific advice.

Dr. Thimappa K., Nodal Officer, ATARI, Bengaluru briefly explained the working system of KVK, also insisted other department officers and progressive farmers to give suggestions based on local problems existing in agriculture and allied sectors which help in planning programmes for next year. In his speech he expressed that KVKs need create sustained livelihood for farmers, as they should not migrate to urban areas and KVKs should create awareness about entrepreneurship.

Dr. Raghavendra Yaligar, Senior Scientist & Head, KVK, Gangavathi presented the action taken report of 17th SAC meeting, results of the OFTs, FLDs, trainings and other different programmes conducted during the period from January 2022 to December 2023. The programme ended with valuable suggestions by department officials and progressive farmers





## ICAR-KVK, KOTTAYAM

### XV Scientific advisory committee meeting

XV Scientific Advisory Committee meeting was conducted on 24th January, 2023. The meeting was chaired by Dr. Jacob John, Director of Extension, Kerala Agricultural University and special address was delivered by Dr. D V S Reddy, Senior Scientist and Nodal Officer, ATARI, Bengaluru. Principal Agriculture Officer, Kottayam, Project Director (ATMA), Deputy Directors from departments of Animal Husbandry, Fisheries, VFPC, DIC, District Manager (NABARD), Manager (Lead Bank), Scientists from ICAR institutes like CPCRI, CTCRI, CIFT and other line departments and farmer representatives participated in the programme. The action taken report of previous SAC was presented by Programme coordinator. The action plan for year 2023-24 was also discussed in the meeting and suggestions were given by the officials from the line departments. Newsletter and 10 electronic learning contents for farmers were released during the programme.



## ICAR-KVK, MALAPPURAM

### Exposure visit to natural farming plots



Practicing Natural farming in farmers' field requires firm conviction by the farmers about its upshots, which can be best achieved by showing the real field experiences. KVK Malappuram has taken initiative to bring farmers to the already practiced fields. OFAI centre at Shornur has imbibed the concept of natural farming, and follow a complete lifestyle centered on it. More than ten farmers interested in natural farming were taken to OFAI centre to show natural farming impacts on various realms. The centre has transacted the concept in four modules viz.; introducing the concept- know your soil, practice soil preparation suited for cultivation incorporating field residues; natural farming at household nutritional security; and open forum to share the prospects and concerns. The programme was coordinated by Dr. Jasna V.K., and Dr. Dhanalakshmi V.N.





## From class rooms to the realm of field applications: On the job training for VHSE students



Skill enhancement of students on agriculture subjects in a meticulous manner is imperative for agriculture based Vocational higher secondary course. On this aspect, students of Micro Irrigation Technician from VHSE Tavanur, Malappuram had undergone a weeklong training on multiple facets targeting more on hands-on practices. Er. Priya G Nair coordinated the programme from 23.01.2023 to 31.01.2023. The training focused on irrigation water management, micro-irrigation systems and laying out of drip irrigation systems in field. As a part of this, micro irrigation field visit was conducted at farmer's field, Changaramkulam, Malappuram. The drip lines were laid out by the students in KVK's plot under technical supervision of scientists from KVK.

## Capacity development programme on food processing

ICAR-KVK Malappuram conducted capacity building programme on "Food processing" on 30.01.2023. Forty of SC farmers from Tirur block of Malappuram district attended the programme. Dr. Lilia Baby, SMS Community Science explained in detail about value addition of fruits and vegetables and importance of food safety in food processing industry. Hands-on session about the preparation of Jam, Squash, RTS, Sauce etc. were also conducted.





## ICAR-KVK, MYSURU

**Technology Week 18-23 January 2023**

Krishimela has been organized on the occasion of Adi Jagadguru Sri Shivratreeshwara Shivyogigalavara Jatra Mahotsava Technology week has been organized from 18 to 23 January 2023 in the divine presence of His Holiness Sri Shivarathri Desikendra Mahaswamy and in the presence of all pontiffs, Sri B.C. Patil, Minister of Agriculture, and Mr. Jagdeesh Shettar, Mr. B.Y. Vijayendra, Dr. Yatindra Siddaramaiah, Niranjan Kumar, Dr. V. Lokesh Pujari was inaugurated in the presence of other dignitaries.



### Live crops



Krishimela (Technology Week) is popularly known as "Krishi habba". Demonstrations of traditional and modern farming practices were arranged to introduce farmers to important technologies in the field of agriculture. About 150 crops viz., cereals, pulses, oilseeds, commercial crops and fodder crops, hydroponics under soilless cultivation, horticulture crops including aero-phonics method and exotic vegetables, drip irrigation and sprinkler irrigation systems were demonstrated.

### IFS Model



Keeping in mind the sustainable livelihood of small and micro farmers IFS model called Krishi Brahamanda developed in one acre area. Whereas agriculture, horticulture, fodder, medicinal plants, various vegetable crops and animal husbandry based were demonstrated. Through the demonstration, it has been shown that farmers can live a comfortable life financially.

### Drone Demonstrations



Drones can be used as a new technology to save farmers' labor, time, adequate chemicals spraying, sowing, crop survey and maintaining the health of the crop. Demonstration of the operation of the drone was organized at the Krishi Mela every hour for the farmers and spectators who gathered at the Krishi Mela.

### Livestock





Demonstration of DESI breeds of cows (Punganur, Kankrej), bundur sheep, goats, chickens and Mudhol dogs, various types of fish breeds and ornamental fishes were exhibited in the animal husbandry section of Krishimela.

## Exhibition



Agriculture, Horticulture and Veterinary universities, Agricultural Research Institutes, various Development Departments, Self Help Groups, Non-Governmental Organizations, Agricultural Equipment Manufacturers, Distributors etc. participated exhibition. In this exhibition arrangements were made for the display and sale of various new agricultural machinery to facilitate agriculture.

## Millet Mela



United Nation has declared 2023 as Millet Year. Hence, Millet Mela was organized and millet mela inaugurated Mr. B.Y. Vijayandra, Shri Jagadish Shettar, Shri Yatindra Siddaramaiah, Shri. Niranjan Kumar in the divine presence of His Holiness. In the Millet mela millets live crops has been demonstrated and exhibition sale of millet value added products. Apart from this, a millet cooking competition was organized. 3 prizes each were awarded for sweet and savory millet food separately.

## Agriculture Symposium



Agricultural seminar has been organized on 21.01.2023, Ms. Shobha Karandlaje, Union Minister of State for Agriculture and Farmers' Welfare inaugurated the event. Millet growing farmers, experts, traders and organizations were brought together and a topic was presented by experts on millet.

## Award to farmers



Award to Progressive Farmers and farmwomen in collaboration with Mrs. Sundaramma Veerabhadrapa Pratisthana of Yalandur Taluk Duggahatti village Madapaara Kendavare Padma Bhushan Mahadevappa Seva Trust (MKPBMST), Chamarajanagar.

Farmers, farmwomen and devotees from various districts of Karnataka, Tamil Nadu, Kerala and other states visit and benefit of Krishimela every day. The recent president of Karnataka Folk Academy Dr. Manjamma Jogati, Extension Director, Keladi Shivappa nayaka University of Agricultural and Horticultural Sciences Director of Extension Dr. V. Hemla Nayak, Sri Easapriya Tirtha Sripadam of Sri Adamaru Mutt, Udupi, Former Extension Director, UAS, Bengaluru K.P. Vishwanath visited the Krishi Mela and appreciated it. The agricultural fair and agricultural exhibition of this series, which was seen by more than 5 lakh people and rural folk.



## ICAR-KVK, PALAKKAD

### Two-day capacity building programme on processing and value addition in fish

KVK Palakkad organized a two-day capacity-building program for farmers from the SC community on various fishery-based value added products as part of the ICAR CIFT Cochin collaborative programme for Technology Dissemination under SCSP. The capacity building program was conducted on the 27th and 28th of January, 2023. As part of the program, Dr.Suman K.T (Professor) and Dr. Lakshmi. P.S. (Associate Professor) from the Department of Community science, College of Agriculture, Vellanikkara, handled different sessions on entrepreneurship opportunities in fish processing, drying of fish (various types), breaded and battered products of fish, and dried fish products. The trainees were given hands-on training on the above-said items. Around fifty participants participated in each day's activity.



### On Job Training in three jobroles for VHSE students

KVK Palakkad has conducted On Job Training in 3 job roles for 103 students from three VHSE schools of Palakkad district. The three jobroles were Floriculturist - Open cultivation, Microirrigation Technician and



Vegetable Grower. Training on each job role was conducted for 6 days including practicals and exposure visits. Various sessions included were introduction to protected structures and their components for vegetable growing, sterilization of growing media, irrigation and fertigation, equipments for environmental parameter monitoring, special horticulture practices in ornamental crops under open cultivation and different tissue culture techniques. The students were given hands on experience on cultivation aspects of different export oriented crops as well as its after care measures. Practical sessions on protray seedling production, mulching sheet and drip installation, fertigation and dry flower technology was also conducted. A special session on terrarium and bonsai making was also performed for the students. An expert interaction session on Vase life enhancement of Flower crops was also conducted for these students. The sessions were handled by Dr. Gilsha Bhai, Assistant Professor (Agriculture Engineering); Dr. Sreelakshmi K, Assistant Professor (Agronomy); Dr. Resmi J, Assistant Professor (Horticulture) and Sri. Arunkumar, Assistant Professor (Agricultural Extension).





## ICAR-KVK, PATTANAMTHITTA

### Workshop cum leadership summit

ICAR-KVK, Pathanamthitta organised a one day workshop cum Leadership Summit in collaboration Jackfruit Confederation of India (JFCI) , promoted by KVK, Pathanamthitta on 18th January 2023. 61 selected members of JFCI from 14 districts participated in the workshop .The workshop focused to develop set of leaders from each districts to professionally coordinate and connect the unorganized actors in Jackfruit Industry and also to promote jackfruit as the world staple food . Jackfruit Confederation of India aims to bring together farmers ,Producers, market, researchers ,government and non government institutions to develop a sustainable value chain for the Jackfruit industry. Mr.George Kulangara, Patron, JFCI inaugurated the workshop and Mr. Joice P Mathew, President, JFCI presided over the function. Dr. C.P. Robert, Senior Scientist and Head, KVK, Pathanamthitta delivered the Key note address and the technical sessions were handled by Dr. Sudheer K.P. Head, RAFTAAR Agribusiness Incubator & ICAR National Fellow at Kerala Agricultural University and Dr. Rincy K Abraham , SMS (Horti.). KVK, Pathanamthitta.



### Technology transfer training on jackfruit based value added products for entrepreneurship development



KVK Pathanamthitta in collaboration with the Directorate of food processing, Govt of Meghalaya, Shillong conducted five days Technology Transfer Training on Jackfruit Based Value Added Products for Entrepreneurship Development from 16.01.2023 to 20.01.2023. Eighteen participants comprising of jack fruit entrepreneurs, experts form Hotel management institute, Meghalaya and officials of the Directorate of Food Processing, Shillong, Meghalaya participated in the training. The trainees were given hands on training on manufacturing of novel jack fruit products developed to suit the raw material available in Meghalaya.





## Shri Reji Joseph, an innovative farmer of KVK, Pathanamthitta bags the Guinness title



Shri Reji Joseph, Angadi, Ranni, Pathanamthitta, an innovative farmer promoted by KVK, Pathanamthitta gets the prestigious Guinness record. Mr. Reji achieved the rare award just with the help of Taro leaves. 114.2cm length and 96 cm width Taro leaf paved the way for the Guinness record to come to our district in the small village of Ranni Taluk. Reji has already found a place in the

Limca book of records with the 28 inch long lady's finger and 130 kg Colocasia and also bagged the "Plant Genome Saviour farmer award for the year 2019-20.

## ICAR-KVK, RAMANAGARA

### Training on Natural Farming



ICAR-KVK, Ramanagara organized two days Natural farming training on 24.01.2023 and 25.01.2023 at KVK, Chandurayanahalli, Magadi, Ramanagara district under "Out Scaling of Natural Farming project through KVK's". Dr. N. Devakumar,



Retd. Professor of Agronomy and Director of Extension, UAS, GKVK, Bangalore was participated as Chief guest in the inaugural programme and in his inaugural speech he highlighted that during pre-green revolution Era, Indian farmers were practicing organic agriculture but thereafter, in order to increase food production we started using fertilizers and pesticides, and gradually these external inputs became integral part of Indian agriculture. But nowadays due to non-usage of organic manures, indiscriminate use of fertilizers and pesticides resulted in Environmental pollution, decline in Soil fertility, reduction in beneficial microbial population in the soil and poor biotic life in the soil profile. In order to bring back life to the soil, to improve soil fertility, to reduce dependence on external farm inputs and to practice chemical free agriculture Natural farming provides the better option and farmers can adopt with scientific analysis of the concepts. Dr. M.J. Sanjay, Professor and Head of AICRP on IFS, UAS, GKVK, Bangalore. Dr. M.S. Dinesha, Scientist (Agronomy), Dr. Rajendra Prasad, B.S., Scientist (Plant Protection), Mrs. Preethu, D.C., Scientist (Soil Science), KVK, Ramanagara served as resource persons. Mr. Niranjan, Progressive farmer of Natural farming shared his experience in marketing of Natural farming produce. Dr. Lata R. Kulkarni was presided in the inaugural programme. 40 registered farmers/ farm women were participated in the programme.





## ICAR-KVK, SHIVAMOGGA

### Awareness programme on Farmer Producer Organization



ICAR - Krishi Vigyan Kendra, Shivamogga conducted Awareness programme on Farmer Producer Organization, which is established by ICAR- KVK, Shivamogga in the name of Sri Sangameshwara Farmers Producer Organization at Churchigundi, Shikaripura Taluk on 23.01.2023.

Dr. B. C. Hanumanthaswamy, Senior Scientist and Head, Krishi Vigyan Kendra, Shivamogga, given introductory speech and welcomed everyone. In his speech he explained the importance and significance of farmers producer organization and several benefits that are obtained to the farming community out of it. The programme was inaugurated by Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga and delivered inaugural speech. He explained the need of farmers producer organization in every taluk and also suggested the farmers to grab the opportunity from this organization and also with the agriculture to carryout the other income generating activities such as bee keeping, value addition, poultry farming, sheep and goat farming so, that farmers can be economically and financially stable.

The presidential speech was given by Dr. S. U. Patil, Associate Director of Extension, KSNUAHS, Shivamogga, he addressed the farmers that, by knowing the importance of farmer producer organization to get more benefit out of it and create opportunities for direct marketing between buyers and farmer producer organization. He also suggested the farmers to take up the value addition and get

higher prices for the value added products in the market. In the programme the resource person Dr. Arun Kumar P., Assistant Professor (Agri. Extension) KSNUAHS, Shivamogga in detail he explained the objectives, importance, significance, frame, structure and benefits of farmers producer organization. Also he gave information about the activities and primary enterprises that are considered in the farmers producer organization.

During the programme Smt. Manjula Prakash, President, Grama Panchayat, Churchigundi, Sri. H. G. Rudregowdru, President, Dharmadarshi Committee, Churchigundi, Sri. S. M. Suryakantha, President, Sri Sangameshwara Farmer Producer Organization, Churchigundi, Sri. B. C. Basavarajappa, Vice President, Sri Sangameshwara Farmer Producer Organization, Churchigundi, Dr. Nagaraj R., Programme Assistant, KVK, Shivamogga and Dr. Pooja, G. K., SRF, KVK, Shivamogga were also present. Totally 210 farmers attended and benefitted from this programme.



### DAESI - Diploma in Agricultural Extension Services for Input Dealers Course at KVK, Shivamogga

ICAR - Krishi Vigyan Kendra, Shivamogga organized Inauguration programme of DAESI - Diploma in Agricultural Extension Services for Input Dealers Course on 17.01.2023. At the outset, Dr. B. C. Hanumanthaswamy, Senior Scientist and Head, KVK, Shivamogga given introductory speech and welcomed everyone. In his key note he explained about DAESI programme as Agri-Input Dealers in the country is a prime source of farm information to the farming community, besides the supply of



inputs and provide credit. However, majority of these dealers do not have formal agricultural education. In order to build their technical competency in agriculture and to facilitate them to serve the farmers better and to act as para – extension professionals, the National Institute of Agricultural Extension Management (MANAGE) has launched One-year course of Diploma in Agricultural Extension Services for Input Dealers (DAESI) in collaboration with agricultural universities, Krishi Vigyan Kendras and state department of agriculture. The technical information is delivering through Contact Classes by Agricultural Experts & Practitioners at district level on Sundays or Market holidays for 48 day classes including field visits spread over the year. The programme was Inaugurated by Hon'ble Vice Chancellor of KSNUAHS, Shivamogga Dr. R. C. Jagadeesh and delivered inaugural speech. In his speech, he highlighted the overview and importance of DAESI programme and also mentioned that, dealers / suppliers have to give awareness to the farmers about the importance of Environment / Nature along with agricultural information. He also stated that, the dealers/suppliers need to be aware of chemical trade names, components, compatibility and combination interaction effects of chemicals before selling it to the farmers. Based on the training knowledge, dealers have to notice, diagnose and solve the problems in a systematic manner. In the presidential address, Dr. B. Hemla Naik, Director of Extension, KSNUAHS, Shivamogga, he opined that, the main objective of the agricultural activities is to serve the nation. In agriculture sector, dealers/suppliers act as a main bridge for the gap existing between farmers and scientists / extension workers. Hence, dealers have to be trained well through DAESI programmes to help and solve the problems of the farmers confidently. He also specified that, farmers are getting agricultural technology related information through state agricultural departments / Universities / KVK etc., parallelly, most of the farmers are obtaining these information from agricultural input dealers. Dr. B. Kalpana, Nodal officer (DAESI),

UAS, Bengaluru, gave in detail information about the importance, significance and benefits of DAESI course and suggested the students to gain more knowledge related to agricultural subjects and get benefitted from this course. The chief guest of the programme Dr. B. T. Rayudu, Principal Scientist, Nodal officer, ATARI, Bengaluru he advised the DAESI students to gain more of technical and practical knowledge of agricultural subjects and develop basic knowledge and good skill related to agriculture.

Dr. S. U. Patil, Associate Director of Extension, KSNUAHS, Shivamogga stated that, the nurture of crops, different stages and maintenance of soil health and fertility through proper nutrient management is one of the major need in agriculture. He also stated that, by gaining knowledge in DAESI programme and giving proper information related to the usage of pesticides / fungicides (dose) would help the farmers to reduce the cost of cultivation. Dr. Pooja, G. K. SRF (ARYA), KVK, Shivamogga hosted the programme and Dr. M. Basavaraja, Scientist (Agronomy), KVK, Shivamogga, given vote of thanks. During the programme, Dr. Mamatha, Assistant Director of Agriculture, Dr. Jayalakshmi, Assistant Director of Agriculture, and Staff of KVK, Shivamogga were also present.





## ICAR-KVK, THRISSUR

### Capacity Development Programmes



Continuous improvements in agricultural technologies and collaborations among farmers and researchers across the public and private sectors drive modern agriculture. Capacity-building programmes for transfer of technologies are the primary helping hand for the farmers to incorporate the current scientific advances and agricultural technology tools in their day-to-day operations. Once they are well trained in modern agricultural technologies, farming efficiency increases. KVK Thrissur conducted a variety of 23 capacity-building programmes in the last fortnight benefitting directly around 800 stakeholders. The programmes ranged from Pulchadikootam for lower primary school students, on-the-job training for Vocational Higher Secondary students, friends of coconut tree training for

unemployed youth, hands-on value addition training for tribal youth, and training of extension professionals on precision farming techniques. The programmes were linked to NABARD, SHM, Tribal Development Department, CDB, schools, SAUs, and ATMA inside and outside the state. KVK Thrissur thus made an indelible mark in the lives and livelihood of extension functionaries, students, and farmers.





## ICAR-KVK, TRIVANDRUM

### Crop Health Monitoring using Drone by Thiruvananthapuram KVK



Conventionally, field scouting was the method used for identifying the crop health, which will take more man days to identify and zero in on the problem implying larger time consumption. Also, traditional methods of soil nutrient analysis give properties of the soil at sampled locations only and not over the entire breadth of the field. To address this problem, Thiruvananthapuram KVK conducted crop health monitoring in a field using UAV at Manambur Panchayat in Varkala Block on 22/12/2022 as part of on farm testing. Use of UAV helps in identifying the soil nutrient properties of the entire field in short time. Land area of 15 acres was incorporated under the study.

The surveillance drone viz. "Nireekshan" invented by Fuselage Innovations, Kochi was used for soil nutrient mapping which is helpful for real-time-site specific nutrient management. A month after Paddy seedling planting, field inspection was carried out by hovering drone at a height of 10 m above ground level. The pixel images obtained using the camera mounted underneath the drone were clearer compared to satellite image. The padashekharam map and the NDVI values and its recommendations were advised to farmers and that was implemented by them. The



programme was inaugurated by Panchayat President Shri.A.Nahas, Smt.Premavally M, ADA, Shri. Anil C.S., Manabur AO, and other paddy farmers attended the programme. Dr. Binu John Sam, Senior Scientist and Head addressed farmers about the utility of advanced technique. Er.Chithra G, SMS, Agricultural Engineering shared the technical feasibility of the study for future expansion.



## ICAR-KVK, TUMAKURU-2

### Participated as a resource person in Kisan Ghosti



On the occasion of Onkareshwar Jatra Mahostav, a Kisan Ghosti on Integrated Crop Management was organized at Patanayakanahalli of Sira taluk by Department of Agriculture of Sira Taluk. In this programme Dr. Somasekhar, SMS, KVK, Hirehalli participated as a resource person and also briefed on various activities of KVK, Hirehalli, Tumakuru. Dr. Sri Nanjavadoota Swamiji presided over the programme and also spoke on the occasion. Dr. Rajesh Gowda, Member of Legislative Assembly, Sira also spoke on the occasion and highlighted the improved technology for the higher income. In this programme more than 300 farmers were participated.



## Demonstration on Arka Sasya Poshak Ras: A Liquid Nutrient Formulation for Soilless Vegetable Production”



On-campus training on Demonstration on Arka Sasya Poshak Ras: A Liquid Nutrient Formulation for Soilless Vegetable Production "was conducted on 20th January 2023 at ICAR-Krishi Vigyan Kendra, Hirehalli. Dr.N.loganandhan, Principal Scientist and Head explained about the importance Nutri garden for nutrition security of the families. Dr Kalaivanan D., Scientist, ICAR-IIHR, Bengaluru delivered lecture on soilless culture vegetable production. In the Afternoon session, scientist demonstrated the use of Arka Sasya poshak Ras, a liquid formulation for soilless vegetable production to the selected beneficiaries from Tumakuru. Grow bags were distributed to the participants. Mrs.Radha R.Banakar SMS- Home Science and Mr. Ramesh P.R SMS-Soil Science co-ordinated this programme. 37 members from DHAN foundation, Tumakuru got benefited from this training programmes.

## 12th Scientific Advisory Committee (SAC) meeting



Felicitation of farmer during 12<sup>th</sup> SAC meeting

The 12th Scientific Advisory Committee (SAC) Meeting of ICAR-KVK, Hirehalli, Tumakuru was organized on 25th January, 2023 at KVK, Hirehalli, Tumakuru. Dr. Manjunath B.L, Principal Scientist, Division of Fruit Crops, IIHR, Chairman of SAC, Dr.Mallikarjun B.Hanji, Nodal Officer, ATARI, Bengaluru, Dr V.Ramamurthy, Principal Scientist and Head, NBSSLUP, Bengaluru, Dr. K.Giridhar, Principal Scientist, ICAR-NIANP, Bengaluru, Dr. T.Nagesh Kumar, Assistant Director, Sheep Board, Tumakuru, Mr. Raghu B, Deputy Director of Horticulture, Tumakuru, Mr.Ashok T.N. Deputy Director of Agriculture, Tumakuru, Mrs. G. Deepashree, DDA, Madhugiri, Tumakuru, Mr. Vishwanath T.S., DD, Fisheries, Tumakuru, Dr. Shreenivas K.R, Farm Supertindent, ARS, Kunigal, Tumakuru took part in the event. Other FPO Directors, NGO Directors and other Farmers participated in the meeting.

Dr. Manjunath B.L gave the opening remarks, in which he narrated the purpose of SAC. Dr Loganandhan, Principal Scientist and Head, KVK, Hirehalli, presented the action taken report of the last year 11th SAC recommendations along with other activities of progress for the year 2022 and proposed action plan for the year 2023. Later, there was an interaction among the participants, followed by suggestions from them and the experts. Further, all the guests gave their recommendations followed by the concluding remarks from the Chairman.

Earlier, release of a folder on “Improved Production Practices in Drumstick” and a calendar on Millet crops, felicitation of Sri Nanjappa, a progressive farmer from Karemadanahalli, Sira taluk and Distribution of Natural Farming Material to Mr.Kemparaju, Farmer, Chikkadoddavadi, Koratagere from delegates were also arranged.

The event was concluded by vote of thanks followed by National Anthem. About 42 members took part in the programme.



## ICAR-KVK, UDUPI

### Paddy mechanization

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Iruvacki, Shivamogga, ICAR-New Delhi, ICAR-Krishi Vigyan Kendra, Brahmavar, Udupi Dist, Custom hiring centre, ZAHRS, Brahmavara, organized five days capacity building programme on mechanization in paddy cultivation. From 24.01.2023 to 28.01.2023 at KVK Brahmavar.

Dr Lakshmana, Associate Director of Research, ZAHRS, Brahmavara inaugurated the programme. In his inaugural speech, he has highlighted the importance of mechanization as its present scenario in the country.

Dr.R.V. Vinod Kumar, Associate Professor, Agricultural Engineering, ZAHRS, Brahmavar was chief guest of the programme. In his presidential speech he highlighted constraints faced by the farmer in application of mechanization. Dr. Sudheer Kamath K. V, Principal, Agriculture Diploma College, Brahmavar, Dr. Dhananjaya B, Senior Scientist & Head, KVK Brahmavar, Dr. Shankar. M, Associate Professor, Agricultural



V, Principal, Agriculture Diploma College, Brahmavar, Dr. R. V Vinod Kumar, Associate Professor, Agricultural Engineering, ZAHRS, Brahmavar, Dr. Shankar. M, Associate Professor, Agricultural Engineering, ZAHRS, Brahmavar were present in the programme.

### Front Line Demonstration on Management of Rugose Spiralling Whitefly in Coconut (Campaign mode)

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Iruvacki, Shivamogga, ICAR-New Delhi, ICAR-Krishi Vigyan Kendra, Brahmavar, Udupi Dist, implemented Front Line Demonstration on management of Rugose Spiralling Whitefly in cocnut at Amparu village on 27.01.2023 in Campaign mode.

Shri Santhosh Kumar Shetty Ballady, President, Kundanadu farmers producers company were presided over the programme. Dr. Chaitanya H.S, Scientist (Horticulture), KVK Brahmavar spoke about cultivation practices of coconut, special reference to its scientific cultivation, Nutrient requirement Irrigation etc, Dr. Sachin U.S Scientist(Plant Protection), KVK Brahmavar, trained the farmers about use of bio intensive methods for managing the coconut whitefly, its biology and damage symptoms also. At the end method demonstration also conducted for managing the pest. Total 45 farmers were present in the programme.



Engineering, ZAHRS, Brahmavar were chief guests of the programme. Dr. Chaitanya H.S, Scientist (Horticulture), KVK Brahmavar, Co-ordinated the programme.

The valedictory programme of training was conducted on 28.01.2023 at KVK Brahmavar, Dr. B. Dhananjay welcomed the gatherings and briefed about the activities, held during training programme. After that certificates were distributed to all the participants by Dr. Lakshmana Associate Director of Research, ZAHRS, Brahmavara, Dr. Sudheer Kamath K





## On Farm Testing on Management of Rugose Spiralling Whitefly in Coconut

Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Iruvakkki, Shivamogga, ICAR-New Delhi, ICAR-Krishi Vigyan Kendra, Brahmavar, Udupi Dist, implemented Front Line Demonstration on management of Rugose Spiralling Whitefly in coconut at mandarathi village on 28.01.2023. Shri Ranjith Kumar Shetty, Progressive farmer, Heggunje village, Mandarathi was president of the programme. Dr. Naveen N. E, Scientist (Agronomy), KVK Brahmavar explained the importance of the programme and welcomed the gatherings. Dr. Sachin U. S Scientist (Plant Protection) trained the farmers regarding management of coconut Whitefly using different treatments, also he has explained about the damaging symptoms of the pest. After the programme method demonstration was conducted for implementing different treatments.



were exposed on packaging and branding of the product and practically demonstrated the preparation of Agarbathi. Total 30 farmers /farm women were participated and benefitted from this training programme.



## Capacity building training on “Promotion of sustainable income for SC farm families through Bee Keeping” under SCSP project

ICAR- Krishi Vigyan Kendra, Uttara Kannada Sirsi, Karnataka in association with Dhan Foundation Sirsi organized two days capacity building programme under SCSP project on “Promotion of sustainable income for SC farm families through Bee Keeping”. This programme was funded by ICAR-NBAIR through ATARI, Bengaluru. Bee keeping training programme was organized on 30 and

## ICAR-KVK, UTTARA KANNADA

### Agarbathi making training programme

ICAR- KVK, Sirsi conducted a training programme on Agarabathi making at Onikeri village, Mundagod taluk on 20/01/2023 under DST funded project “Emerging innovative avenues of agroforestry based entrepreneurship development for SC Communities of Uttara Kannada district of Karnataka”. Dr. Venkatesh L. (Scientist, Agroforestry), Dr. Ravi Y. (Scientist, Home science) were present in the training programme as organizer and resource person, respectively. Participants





31<sup>st</sup> January 2023 for 25 SC rural farmers and farm women of Uttara Kannada district. During the inaugural session, Shri Sathyanarayan Bhat Mankalale, Beekeeping Organiser (Rtd) shared valuable information on importance of bees to mankind, role of bees in biodiversity conservation, byproduct of honey bees etc. Dr. Manju M. J., Sr. Scientist and Head urged trainees to start apiculture activities with one or two bee boxes. Dr. Manjunath Totad, Assistant Director of Horticulture Sirsi gave information about different schemes related to Beekeeping in Horticulture Department. Both theoretical and practical sessions were conducted on different honey bee species, seasonal management of colonies, bee flora, role of bees in pollination, bee biology etc. Exposure visits were also arranged to progressive bee keepers units in Siddapur taluk: Shri. Pradeep Naik, Sovinakoppa and Shri Kiran Naik, Heggere to get more hands on training on different techniques in colony dividing, stingless bee colony structure, handling of bees, fixing foundation sheet to brood and super frames etc. During Valedictory session, certificates and books on apiculture viz., Jenu prapancha and Jenu tuppada oushadiya gunagalu were distributed to trainees. The programme was organized by Dr. Roopa S. Patil and Dr. Shivashenkaramurthy, M.

## ICAR-KVK, VIJAYAPURA-1

### Field study to KVK Poultry farming unit by Degree college students



ICAR- Krishi Vigyan Kendra, Vijayapura is maintaining different demonstration units such dairy, goatary, poultry, vermicompost, vermiwash etc. It is the place where including farmers and rural youths, now a day's highly educated unemployed youths are also visiting to know or gather the information regarding entrepreneurial activities. Educational institutes are also arranging educational exposure visits to the students for improving the entrepreneurial knowledge. In this regard, B.Sc. (CBZ) students of Government College, Vijayapura has visited the KVK, Vijayapura poultry farming demo unit on 31.01.2023. During their visit they learnt about different poultry breeds and importance of backyard poultry with improved breeds as a source of subsidiary income to farmers. Forty three students along with six teaching staff visited the farm.





## ICAR-KVK, VIJAYAPURA-2

### Efficient use of pumpsets in agriculture to save electricity



A training programme was organized at ICAR-Krishi Vigyan Kendra, Vijayapura-II(Indi) on BEE (Bureau of energy efficiency) star labelled energy efficient pump sets and water conservation to the farmers of KVK Indi jurisdiction sponsored by Karnataka renewable energy development limited, Bengaluru on 18.01.2023 at KVK training hall of Vijayapura-II (Indi). The programme began with the introductory remarks by Dr. Prema B Patil, Senior Scientist and Head, Krishi Vigyan Kendra, Vijayapura-II (Indi). The programme was inaugurated by Dr. S.S. Shirahatti, Professor, Agriculture Engineering, Vijayapura and he was the key resource person and delivered lecture of soil and water conservation techniques. The programme was presided by Dr. R.B.Belli, Associate Director of Extension, AEEC, Vijayapura. In his inaugural speech Dr.Belli advised the farmers to make use of natural resources judiciously to save electricity. Excess use of water in the form of flood irrigation is leading to salinity of soils and also wastage of electricity. He also advised the farmers to make efficient use of micro irrigation systems in their farms. Wastage of resources

can be saved if each one of us takes the responsibility to save the energy. Another resource person of the programme Dr. Naveen Reddy, Agriculture Engineer from RARS Vijayapura delivered lecture on efficient use of farm equipment and interacted with the farmers. Further lectures were delivered on BEE star energy efficient pump sets and selection and use of star rated energy efficient electric pump sets for the benefit of farming community by Smt. Heena M.S. Scientist (Horticulture). The programme was ended with vote of thanks by Dr. Savita B. Scientist (Soil Science). Around 115 farmers and farm women were participated in the programme.

## ICAR-KVK, WAYANADU

### Capacity Building Programme on Mushroom cultivation to school students

ICAR KVK Wayanad conducted one day capacity building programme on Mushroom Cultivation for school students.GHSS Vaduvanchal as part of 7 days NSS Camp at GLPS Andoor, Ambalavayal hoisted the training programme to students as they can start the venture at the school level with their available space and facilities. The programme was inaugurated by Shri Manoj K. V., Principal, GHSS Vaduvanchal. Faculties from KVK Wayanad dealt the theory and practical sessions of mushroom bed preparation.





## Training on Biocontrol agents and its application



ICAR KVK Wayanad conducted one day training and awareness programme on application and use of various biocontrol agents to farmers of Vellamunda. There was a farmer participation of 50 numbers who were interested in the use of biocontrol agents. The programme was conducted as part of Cheruvallam Watershed development programme of NABARD. There was also input distribution of bio control agents to the farmers.

## ICAR-KVK, YADGIR

### Workshop on Energy Efficient Pumpset & Water Conservation



ICAR-Krishi Vigyan Kendra, Yadgir organized workshop on "Energy Efficient Pumpset & Water Conservation" on 06.01.2023 sponsored by Karnataka Renewable Energy Development Limited, Bengaluru at office premises. The programme was inaugurated by Chief guest Dr. Vijayakumar Palled, Professor & Head, Department of Renewable Energy, College of Agricultural Engg, Raichur. Dr. Palled delivered a talk on Importance & opportunity of renewable energy resources in agriculture and solar operated technologies available for agricultural production. He suggested gathered farmers to adopt the technologies like

solar operated nipping machine, solar operated pumpset irrigation, and solar operated sprayers etc for resource conservation for sustainable agriculture. Dr. Rajkumar, Asst Proff, CAE, Raichur delivered a talk on water conservation methods for increasing crop productivity under rainfed condition. Dr. Sunil Shirwal, Asst Proff, CAE, Raichur delivered lecture on drone technology for spraying application for resource conservation and labour management. Mrs Malini, Technical Officer, KREDL, Kalburgi spoke about different schemes available for farmers from KREDL & their importance to gathered farmers. Dr. Umesh Barikara, Scientist, KVK Yadgir delivered lecture on water conservation methods under command areas for increasing water productivity under different cropping system. Dr. Jaiprakash Narayan R P, Senior Scientist & Head and president of the function shared the importance of renewable resources for sustainable agriculture development and assured the farmers to provide all the technical support for adopting solar energy related technologies from KVK Yadgir. The Scientists of KVK Dr. Guru Prasad & Dr. Kotresh, Senior Technical Officer Mrs Shreedevi, SMS DAMU Dr. Shilpa V C and other staff of KVK Yadgir were present. Total 110 farmers were gathered and benefitted from the workshop.

### 4th Scientific Advisory Committee meeting



ICAR-KVK, Yadgir organized 4th SAC (Scientific Advisory Committee) on 23.01.2023 under the chairmanship of Dr. M.K. Naik, Director of Extension, UAS, Raichur. The programme was inaugurated by Dr. M.K. Naik DE, UAS, Raichur, Dr. B.T. Rayudu, Nodal Officer, ATARI, Bengaluru and other representative from line departments of Yadgir



District. Dr. B.T. Rayudu delivered introductory speech about 4th SAC meeting of KVK, Yadgir. Dr. Jaiprakash Narayan R. P, Senior Scientist & Head delivered in detail about progress and actions taken for the suggestions made during the 3rd SAC of KVK, Yadgir by the SAC Committee members. The suggestions made by the committee members during 4th SAC meeting were recorded. The discussions were held with our farmers and the experts for the betterment of farming community in the district and to improve the

overall functioning of KVK. During the programme, DE, UAS, Raichur advised to promote millets production and millet based products for healthy daily routine life. Dr. B.T. Rayudu suggested KVK, Yadgir to take up entrepreneurship development programmes and need based technology demonstrations. Sri. Basannagouda Patil, Shresta Krishika awardee of Yadgir District and other progressive farmers actively interacted in the programme. Totally 30 members including farmers graced the event.

## ICAR - Krishi Vigyan Kendra, Shivamogga Administrative Building





## Activities of KVK-Shivamogga



**KVK Exhibition during University Foundation Day-2022**



**Field day on Indigenous paddy varieties**



**Capacity Development Programme on Coconut palm climbing through machine under ARYA Project**



**Capacity development programme on Agro-ecological practices**



**Capacity development programme on Bee Keeping under ARYA Project**



**Field day on Management of leaf minor and fruit borer FLD in tomato**



## Activities of KVK-Shivamogga



**Interaction of Director of Extension with farmers**



**FLD on Management of stem borer and blast in paddy**



**Interaction of ARYA Nodal Officer with Nursery Entrepreneur**



**ARYA Nodal Officer visited Bee keeping unit**



**FLD on Management of Heart Rot disease in Pineapple**



**FLD on ICM in Ginger**

*Shivamogga ull of natural beauty - our pride*





Chowdeshwari Temple, Sigandur - Present on the banks of the Sharavati River



Mattur, is known across the world as the only place where the ancient Sanskrit language is still spoken on a day-to-day basis and is the official language



The second-largest church in India, the Sacred Heart Church



Varanasi of South, Koodli,



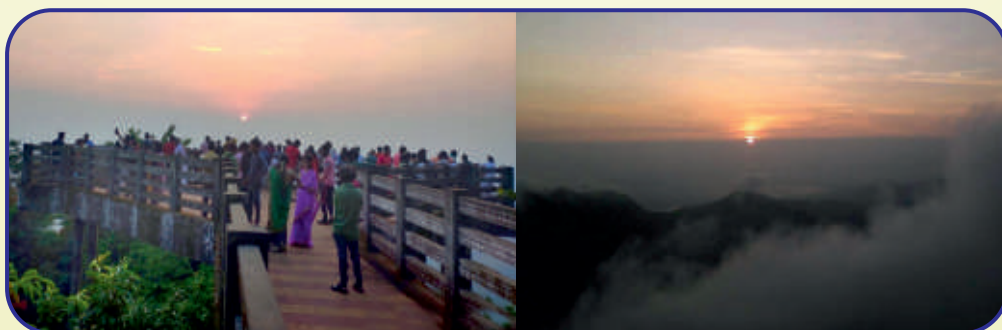
Keladi - Once served as the first capital of the Keladi Nayaka Kingdom. Two popular attractions i.e. Keladi Rameshwara Temple and Keladi Museum



Nagara Fort - built on a small hill near a lake and is a popular place known for its scenic views



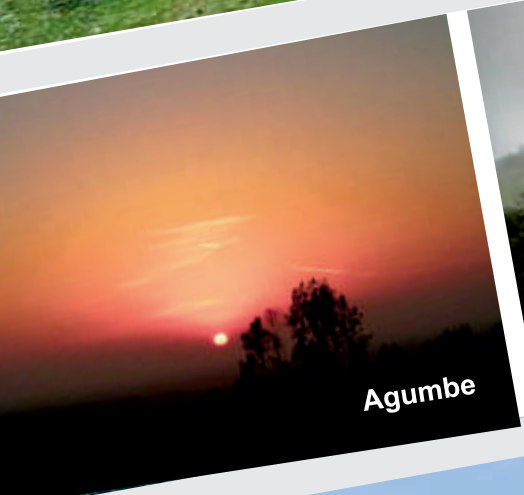
Shivappa Nayaka Palace Museum - Lying on the banks of River Tunga.



Agumbe : Amazing sunset spot. It is 2725 feet above sea level. Agumbe is also known as the "Cherrapunji" of South India as this place receives the highest rainfall in South India



Kavaledurga Bhuvanagiri



Agumbe



Kodachadri



Kundadri



Kavishaila - Kuvempu House