



# KSNUAHS

## News Letter



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### In this Issue...

- **New Initiatives**
  - Agri-Education Fair -2024 2
- **Important Events**
  - RHWEPEXhibition 2
  - World Honey Bee Day Celebration 3
  - Annual NSS Camp at Ammatthi 3
  - Soil Health Awareness Programme 5
- **Workshops, Conferences, Meetings, Seminars**
  - ZREP Workshop at College of Forestry, Ponnampet 2
  - Five Days' Internship on Bamboo Crafts 4
  - Workshop on Building Effective Proposal for Startups 5
  - Workshop on Energy Efficient Pump Sets and Water Conservation Awareness 6
- **Capacity Building**
  - Training Programme on Arecanut Cultivation and Integrated Pest and Disease 3
  - Training Programme on Applications of IoT in Forestry 3
  - Advanced Statistical Analysis in Agriculture Research using R Software 4
  - Vocational Course on Photo Editing and Creative Designing 4
  - Capacity Building Programme on Natural Farming 5
  - Krishi Sakhi Module II training programmes 3rd and 4th Batch 6
  - Special Programme on Development of Community Seed Bank of Rice Land Races of Chikkamagaluru District 7
- **Award** 7
- **Registration under PPV&FRA** 7
- **Photo News** 7 - 8

*Earth provides enough to satisfy every man's needs, but not every man's greed.*

**-Mahatma Gandhi**

### From the Vice-Chancellor's Desk.....



#### Greetings to all.....

Secondary Agriculture is the conversion of agricultural produce, residues and byproducts in line with the market intelligence and customer preference into high value commodities. This will be having industrial, medicinal and consumption utilities. The sole intention behind practice of secondary agriculture is to double the income of farmers and to provide assured market for the produce and its byproducts. Secondary agriculture can be of different types viz., Type A, B and C. Type A aims at the value addition to the primary agricultural products, Type B concentrates on alternative enterprises like honey bee production, milk production etc. Type C includes those activities which aim at efficient conversion of wastes into wealth viz., vermicomposting and areca leaf products manufacturing etc. Secondary agriculture is considered as the burgeoning sector in India. This has to be harnessed for the rich benefit of farming community and other stakeholders who are reliant on agriculture. Government of Karnataka is a pioneer in establishing the Directorate of Secondary agriculture with the mission of doubling farmer's income by enhancing value of primary products and expanding market avenues for the products. Though, there are a lot of challenges persisting in the implementation of secondary agriculture from tiny land holding to lack of awareness. Nevertheless Karnataka especially and India in general can harness the rich benefit of practicing secondary agriculture. The extent of processing of primary agricultural products is less than 10 percent in India and the question of processing of byproducts and wastes is of far reach. The practice of secondary agriculture will have a multiplier effect on income and employment generation. The research confirms that one percent rise in value addition is likely to reduce poverty by 0.4 percent in India in short run.

Our University is promoting secondary agriculture through one district one product scheme in the fruit crop of pineapple in Shivamogga, Groundnut in Chithradurga and Spices in Chikkamagalur. In addition, concerted research efforts are made in effective conversion of wastes into wealth via development of microbial consortia. This is made possible through sound extension network of Extension Education Units and ICAR-Krishi Vigyan Kendras, Capacity building programmes on economic prospects of value addition to primary agricultural products and by products. This is done for the benefit of farmers, farm women and rural youth. Programmes have been organized in this regard. Startups focusing on conversion of agricultural wastes into wealth are given technical support for instance, BhoomiAgri Ventures focusing on conversion of areca leaf wastes into vegan leather is technically supported by the University. OFRC is carrying out honey production, Type B form of secondary agriculture, Cashew Research Centre is focusing on value added products of cashew are the few other initiatives on secondary agriculture front.

University is focusing on all the types of secondary agriculture and more emphasis is given for Type B and C which are actually in the rudimentary stage. Promotion of this type of secondary agriculture will double farmers income by relieving them from vicious market risk.

  
Dr. R. C. Jagadeesha

## Agri-Education Fair -2024

KSNUAHS conducted **Agri-Education Fair-2024** at Kuvempu Rangamandira under IDP NAHEP World Bank Funded Project in collaboration with School Education Department, Shivamogga on **29-06-2024**. It's main objective was to provide comprehensive information about agricultural education to the prospective young minds pursuing 10+2 education. Nearly 1500 students from 30 Pre-University Colleges of



Shivamogga actively participated in the education fair. Shree Madhu Bangarappa, Hon'ble Minister for Primary and Secondary Education, Government of Karnataka inaugurated the Agri-Education Fair and highlighted the role of agriculture in state and nation's economy. He enlightened the aspiring students on the different avenues available in agricultural education for the upliftment of agrarian economy. Members of Board of Management, university officers and faculty of PU colleges were present during the occasion.

## ZREP Workshop at College of Forestry, Ponnampet

The **Zonal Research and Extension Programme** of Zone-9 was hosted at the College of Forestry, Ponnampet on **01-04-2024**. The workshop began with the farmers' opinion about the hurdles faced by them in practicing progressive agriculture. The aim was to seek the remedial measures to help the farming community. Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor addressed the gathering and suggested the production of location-specific crops based on the needs. He also highlighted the idea of organize training programs to develop package and practice for forestry spices and to introduce



new crops. A lot of researchable domains were suggested in this realm. University officers, department heads, ICAR-KVK scientists and progressive farmers were participated in the workshop.

## RHWEP Exhibition

The **RHWEP Exhibition** (Krishimela) was conducted in a very befitting manner at one of the RHWEP village Pillenahalli on **03-04-2024**. Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor, KSNUAHS, Shivamogga inaugurated the exhibition by performing Dhaanya Pooje. Dr. Shree Basava Marula Sidda Swamiji inaugurated the programme. Agricultural exhibition and various technical sessions were held for the benefit of farmers. Director of Education, Dean (Hort.), Mudigere and University scientists, line department heads and progressive farmers of Chikkamagaluru district witnessed the occasion.



## World Honey Bee Day Celebration

**World Honey Bee Day** was celebrated in the various campuses of university and its KVKs on **20-05-2024** with the theme “Retaining Youth in Bee Keeping”. To raise the awareness on importance of pollinators Honey Bee Day is celebrated on 20th May every year. The main buzz of the bees is pollination, which is the fundamental process of survival of ecosystem and the bees are considered as key factors in conservation of biodiversity.



## Annual NSS Camp at Ammatthi

**Annual NSS Camp** for the second year students of B.Sc Forestry commenced on **29-05-2024**. The camp was held at Govt. Model Primary School, Ammatthi. The daily activities included flag hoisting in the morning, followed by cleaning of school premises and nearby localities. Guest lectures were arranged on different topics for each day. Blood donation camp was organized in collaboration with District Hospital, Madikeri. Village panchayat and forest department were actively involved in the camp.



## Training Programme on Arecanut Cultivation and Integrated Pest and Disease Management

Zonal Agricultural and Horticultural Research Station, Mudigere organized one day training programme on **Arecanut Cultivation and Integrated Pest and Disease Management** under the project “Investigations and Front line demonstration on leaf spot disease of Arecanut” funded by Government of Karnataka on **12-06-2024**. Dr. Lakshmana, Associate Director of Research, ZAHRS, Mudigere, highlighted the importance of arecanut in his inaugural address. Dr. Ravi, C. S. Assistant Professor (PSMAC), College of Horticulture, Mudigere, Mr. Syed Imran, Assistant Professor (Agriculture Entomology), COH Mudigere, Dr. Pallavi, M. S. Assistant Professor (Plant Pathology), ZAHRS, Mudigere served as resource persons in the training programme and they explained about the cultivation practices, integrated pest and disease management in arecanut. In total, 52 participants were benefited from this training programme.



## Training Program on Applications of IoT in Forestry

College of Forestry, Ponnampet, in collaboration with Nature Scan organised a comprehensive 15-days' training programme on the **Internet of Things (IoT)** for the students of Forestry from **09-06-2024** to **23-06-2024**. The program on 'Applications of IoT in Forestry' aimed at providing students with practical knowledge and skills in IoT, tailored specifically for applications in forestry. The training covered 40 diverse topics and utilized a hands-on teaching methodology, incorporating



Bloom's taxonomy and case studies to ensure an engaging and effective learning experience. The students received training on IoT architecture, sensor technology and data analysis. The training program facilitated real-world applications of IoT in forest health monitoring, wildlife tracking and many other topics.

### Advanced Statistical Analysis in Agriculture Research using R Software

A ten days short course on “**Advanced Statistical Analysis in Agriculture Research using R Software**” was organized by Department of Agricultural Statistics at College of Agricultural Sciences, Iruvakk from **15-06-2024 to 24-06-2024** under IDP-NAHEP. Dr. Naveena K., Scientist, Centre for Water Resources Development and Management, Kozhikode, Kerala, were the resource persons. Mr. Pavan Kumar K., Principal Consultant, Research and Development, Mercedes Benz, Bengaluru and Dr. Vinay T. V., Assistant Professor, School of Business and Management, Christ University, Bengaluru.



A total of 32 participants comprising nine post graduates, 20 under graduates students and 3 members of the faculty were present. The main objective of the training programme was to update the analytical skills of the agricultural researchers with the help of different statistical techniques along with the use of R software. The course was practical oriented and more emphasis was given on interpretation of the results.

### Vocational Course on Photo Editing and Creative Designing



Ten days **Vocational Course on Photo Editing and Creative Designs** was conducted at CAS Iruvakk from **15-06-2024 to 24-6-2024** for the students and staff of the college under IDP-NAHEP, World Bank funded project. Dr. Rajendra M. J. Group Head of Isha, Bangalore served as the resource person. The participants witnessed the demonstration of photo-editing and creations using software. Hands on creative designing viz., preparation of posters, certificates, letter head, bulletins, magazines, wall

and table calendar, book cover page designs was imparted to the participants through open source creative designing softwares. Vocational course has benefitted 33 participants.

### Five Days' Internship on Bamboo Crafts

An internship programme on manufacture of **Bamboo Crafts and Bamboo Furniture** was organized by College of Forestry in association with URAVU from **17-06-2024 to 21-06-2024** at Bamboo Unit, College of Forestry. Students of Forestry from Iruvakk attended the 5 days' internship programme. Tony Paul, Jino Johny, Sruthi M. Devis, Henna Paul and Tessymol Benedict were the resource persons from URAVU. Students received hands-on experience in sustainable bamboo cultivation, processing and product development, fostering eco-friendly practices and making furniture and crafts.



## Workshop on Building Effective Proposal for Startups

One day **Workshop on Building Effective Proposal for Startups** was organised at College of Agriculture, Navile, KSNUAHS, Shivamogga on **22-06-2024** under IDP-NAHEP. The workshop aimed at inculcating insights of business ideas in the aspiring young minds pursuing degrees in agricultural and allied sciences. Dr. R. C. Jagadeesha, Vice Chancellor, KSNUAHS, Shivamogga highlighted the vast scope available for graduates of Agricultural and allied disciplines in venturing into business through their own startups. At present, the latent business potential in agriculture has been tapped efficiently by non agri graduates and this is a paradoxical situation. Workshop of this kind will educate and enlighten young minds to brace themselves to the competitive world through their innovative business ideas. Dr. P. Chandrashekar, Director General, MANAGE, Hyderabad educated students on building effective proposal for startups in his keynote address. He has thrown light on the prospective areas in agriculture where budding graduates could venture. Startups could be the articulation of existing ideas for the local conditions having capacity to combat grass root level problems of the society.



## Extension Activities

### Capacity Building Programme on Natural Farming

ICAR.-Krishi Vigyan Kendra, Chikkamagaluru organized one-day **Natural Farming Capacity Building programme** on **02-04-2024** at Raitha Bhavana, Mudigere. The program was inaugurated by Dr. Shoba Narayan, President, Agri Challengers Group FPO. In her inaugural speech, she highlighted the importance of traditional farming system for achieving sustainability in the field of agriculture production. Later speaking at the technical session, Dr. Ullasa M. Y., Scientist (Agronomy), KVK, Mudigere spoke about the relevance of natural farming in the present context. Further, he explained about different principles of natural farming to the FPO Members. Sixty farmers participated in the technical session and discussed with the experts and got valuable inputs. Mr. D. C. Lokappa Gowdru, Director, Co-operative Federation, GOK witnessed the programme.



### Soil Health Awareness Programme

A **Soil Health Awareness Programme** was jointly organized by Karnataka State Department of Agriculture and ICAR-Krishi Vigyana Kendra, Udupi on **12-04-2024** at Jawahar Navodaya Vidyalaya, Chara, Hebri, Karkala Tq, Udupi Dist. The program was presided over by the Principal of the School Smt. Vijaya Kumari. The resource person of the event Dr. S. M. Shivaprakash, sensitized the high school and junior college students about the importance of soil health in sustainability of agriculture and mankind. The children



were shown different soil samples, they were also shown the techniques for the project required for growing any agricultural and horticultural crops. The students enthusiastically involved in practicals done on soil testing. Dr. Rajesh from ATMA, Karnataka State Department of Agriculture served as guest and also spoke on the responsibility to safeguard the soil for future generations.

### Workshop on Energy Efficient Pump Sets and Water Conservation Awareness

ICAR-Krishi Vigyan Kendra, Chitradurga organized a **Workshop on Energy Efficient Pump Sets and Water Conservation awareness programme** for farmers and farm youth on **24-04-2024 and 25-04-2024**. Dr. O. Kumara, Senior Scientist and Head, KVK inaugurated the programme and during his inaugural speech he discussed about the importance of energy saving by using efficient pump sets in the farmers field and he discussed about the various agronomic technologies that could be used for conservation of soil moisture such as contour ploughing, mulching, summer ploughing, and ways and means to save energy. Mr. Vishwanath, Field Officer, Netafim, Chitradurga briefed about the motor usage and power usage. He discussed about domestic pumpsets with BEE Star label and their energy efficiency which saves electricity up to 30% and suggested the use of variable pump drive, usage of well maintained tractors and other agricultural implements, explained about safety and dust protection through the use of automation technology.



Dr. Rajashekar Barker, Assistant Professor, (Agril. Engineering), College of Horticulture, Hiriyr participated in the programme as resource person and delivered a guest lecture on efficient usage of energy by adopting some of the techniques such as energy efficient lighting, maintaining irrigation system, optimizing the design of irrigation system, testing and maintenance of irrigation pumps etc. All the scientists of KVK and around 50 farmers on 24-04-2024 and 60 farmers on 25-04-2024 from various villages of Chitradurga participated in the programme.

### Krishi Sakhi Module II training programmes 3rd and 4th Batch



A six days training programme of Module II for community resource persons (**Krishi Sakhi's**) of NRLM project on environment friendly agricultural practices was organized at ICAR-Krishi Vigyan Kendra, Chitradurga from **20-05-2024 to 25-05-2024** and **27-05-2024 to 01-06-2024** in collaboration with K.S.L.P.S.- Sanjeevini, Zilla Panchayath, Chitradurga. The programme was inaugurated by Dr. O. Kumara, Sr. Scientist and Head, KVK during his inaugural speech discussed in detail about Module II training topics and their importance. He also briefed about the importance of acquiring

various skills such preparation of Jeevamrutha, Beejamrutha etc, seed treatment methodology, vermi composting, identification of various insects and pests in different crops and their signs of destruction. One day field visit was arranged to Jeeni Company near Sira taluk. This was a production unit of millet based value added products. 30 Krishi Sakhi's of 3rd batch (20-05-2024 to 25-05-2024) and 21 Krishi Sakhis during 4th batch (27-05-2024 to 01-06-2024) were present during the programme.

## Initiation of Special Programme on Development of Community Seed Bank of Rice Land Races of Chikkamagaluru District

ICAR-Krishi Vigyan Kendra, Chikkamagaluru initiated special programme on establishment of a community **seed bank of traditional paddy varieties** of Chikkamagaluru district on **12-06-2024** by distributing seeds of paddy land for 20 farmers. Main intention of this programme is to conserve and popularize traditional paddy varieties of Chikkamagaluru district. The purpose of this special programme is to collect the paddy land races of Chikkamagaluru and conserve in diversity block through participatory seed production approach and to make quality seeds of paddy land races available to farmers for further expansion of area in the district.



### Award

**Dr. Ashok M.**, Scientist (Animal Sciences), ICAR- Krishi Vigyan Kendra, KSNUAHS, Shivamogga was conferred with **Best Veterinarian Award -2024** for his outstanding contribution in the field of Veterinary Science on the occasion of **World Veterinary Day-2024** celebrated at Karnataka Veterinary Council, Hebbal, Bengaluru.

### Registration under PPV&FRA

Elite jackfruit varieties of Shivamogga district were registered under PPV&FRA, New Delhi during **14-06-2024** as farmer's varieties. Dr. Nagarajappa Adivappara, Associate Professor (Hort.) and PI, Arecanut Research Centre, Shivamogga has served as facilitator carried out the on-site DUS characterization of four jackfruit varieties and registered under PPV&FRA. These varieties are unique with respect to colour, size, flavour and yield. The nomenclature and register numbers are: Haladi Rudrakshi-JAR (REG/2022/0144), Orange-RPN (REG/2022/0145), Kempu Rudrakshi-DSV (REG/2022/0146) Red-RTB (REG/2022/0147)

### Photo News



Chitradurga.

Training programme on **Natural Farming** for Krishi Sakhi's of Chitradurga district from **01-04-2024 to 05-04-2024** at ICAR-Krishi Vigyan Kendra,

Capacity building programme on **integrated pest and disease management in coconut and arecanut** on **16-04-2024** at DATC, Lingadahalli, Chikkamagaluru District.



At Iruvakki main campus **Dr. B. R. Ambedkar Jayanthi and Dr. Babu Jagjivan Ram Jayanthi** celebrated on **14-04-2024**.

ICAR-KVK, Shivamogga organized 10 days Skill development certificate course on **"Bakery and Confectionaries"** from **13-05-2024 to 23-05-2024**.



To,

Book Post

KSNUAHS News

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A 3-day long **Jackfruit and fruit mela** was organized by ICAR-Krishi Vigyana Kendra, Udupi in association with Rotary Club, Brahmavara, South Canara Photographers Association and Vijaya Rural Development Foundation.

**World Day against Child Labour** was celebrated on **12-06-2024** in the NSS units of different colleges of the university jurisdiction.



An off campus training programme on “**Management of Soil Acidity and Potassium Nutrition in Paddy**” was conducted at Hebri Taluk, Udupi Dist., in associated with “Hebri Horticultural Farmer Producers Company Limited” on **27-05-2024**.

ICAR-Krishi Vigyan Kendra, Shivamogga in association with Directorate of Extension and Farmers Training Institute, KSNUAHS, Iruvakk, Shivamogga organized **capacity development training on Scientific Management of Ginger Crop** for the farmers on **21-06-2024**.



**World Environment Day** was celebrated on **05-06-2024** in the different campuses of the university by planting samplings. Awareness programmes on environment were held during the occasion for the college students.

Karnataka Forest Department hosted **World Rain Forest Day** in Makuta on **22-06-2024**.



ICAR-Krishi Vgyan Kendra, Chikkamaglauru organized **interaction meet of farmers** involved in doubling of farmers income programme on **12-06-2024** at Beeranahalli village, Chikkamaglauru District.

ICAR-Krishi Vigyan Kendra, Shivamogga organized capacity development programme on “**Integrated Plant Protection Practices in Horticultural Crops**” from **27-06-2024 to 29-06-2024**.

