



KSNUAHS

News Letter



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We need a new vision for agriculture ... to spread happiness among farm and rural families. Bio-happiness through the conversion of our bio-resources into wealth meaningful to our rural families should be the goal of our national policy for farmers.

-M. S. Swaminathan

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

Greetings to all.....



Artificial Intelligence (AI) simulates human learning, comprehension, problem solving, decision-making, creativity and autonomy with the aid of machine and computers. The concept of AI usage dates back to the 1950's, when machines were designed to exhibit human intelligence. In 1980's, technologies were developed that enabled AI systems to learn from historical data. Deep learning gained momentum in 2010, relying on machine learning models designed to mimic the function of human brain. Since 2020, Gen AI gained traction utilizing deep learning models to create original content. Agriculture in recent time faced a multitude of challenges including climate change, acute scarcity of skilled human labor, ecological imbalance, high cost of external inputs, etc., Adopting innovative practices and leveraging technological advancements to enhance the productivity of existing resources has become crucial to meet the growing demand for agricultural and allied products from the expanding population. One such innovative practice is adoption of AI driven technologies in agriculture. AI has got numerous applications in the field of agriculture. AI driven predictive analytics enables farmers to forecast future yields based on historical data and weather patterns, remote sensing techniques, hyper-spectral imaging and AI enable crop health monitoring, deploying of sensor based automated irrigation system combats inefficient water use. AI technologies prepare farmers to handle crisis and uncertainty efficiently and AI based market analytics helps them to market their produce efficiently. In addition, AI based technologies have significant potential to attract tech-savvy youth reducing drudgery in agriculture. AI ultimately fosters sustainability by encouraging precision farming, imparts resilience by preparing farmers for uncertain events and enhances environmental stewardship. Our university is in the forefront in imparting education on use of AI technologies in agriculture and allied sciences for graduating students by including it in the course curricula and by offering pilot courses on AI and machine learning and creating awareness among farmers about the benefit of AI through capacity building programmes through RAWEP and extension wing. On research front, university has initiated pilot project to evaluate the effectiveness of AI driven drone technologies in monitoring and managing crop health, irrigation fertigation mapping of watershed areas for management of natural resources. The University also provides technical advice and necessary infrastructure to the aspiring graduates interested in establishing startups related to AI technologies with implications in agriculture sector. AI is not a substitute or replacement for human resource rather, it should complement human efforts in achieving sustainable

Dr. R. C. Jagadeesha

Krishi - Thotagarika Mela -2024



Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga, has organized **Krishi-Thotagarika Mela-2024** from **18-10-2024 to 21-10-2024** in collaboration with Department of Agriculture and allied line departments. The unique mela was organized with the theme “Vikasit Agriculture for Nutritious Food”. The mela was inaugurated by chief guests Shri Shri Shri Dr. Mallikarjuna Murugharajendra Mahaswamiji, Bekkina Kalmutt, Anandapura, Shri Madhu Bangarappa, District In-charge Minister, Shivamogga, Shri Beluru Gopala Krishna, MLA, Sagar, Shri Araga Gnanendra, MLA, Thirthahalli, Smt. Sharadha Purya Naik, MLA, Shivamogga Rural, Smt. Balkish Bhanu, MLC and Hon'ble Members of Board of Management and Officers of the university.



During Mela the university has honoured 28 Best Farmers and Farm Women of seven districts coming under its jurisdiction for their significant achievements in the field of Agriculture and Horticulture.



Shri Madhu Bangarappa, District In-charge Minister, Shivamogga interacting with university scientists. More than 300 agri-based companies, institutions, agripreneurs, government and non-government organizations have put up stalls during the mela.



Dr. R. C. Jagdeesha, Hon'ble Vice Chancellor addressing farming community on the eve of Krishi-Thotagarika Mela.



Vegetable and Flower Demonstration Blocks

Dog Show during Krishi Thotagarika Mela

Krishi-Thotagarika Mela's Specialties: Technology Park, Vegetable and Flower Demonstration Blocks, Integrated Farming System, Drone Technology in Agriculture, Nutritious Food and their importance, Hydroponics, Bee Keeping and Insect World Exhibition, Value Addition in Millets, Cashew Crop Demonstration, Processing and Value Addition, Organic Farming, Mushroom Cultivation, Watershed Management, Post-Harvest were the centre of attraction of the mela. Mela witnessed Farmers-Scientist Interaction and Consultancies for the rich benefit farming community.

Krishi Mela's in Other Campus



ICAR-Krishi Vigyana Kendra, Udipi in collaboration with ZAHRS, Brahmavara, Diploma College of Agriculture, Brahmavara, Bank of Baroda, Canara Bank, Brahmavara and various farmers association celebrated Krishi Mela at Brahmavar campus on October 26 to 27, 2024.



College of Forestry in association with Department of Agriculture, Hunasur organised Krishi Aranya Mela at Maruthi Samudaya Bhavana, Gavadgere on 17-12-2024.



ICAR-Krishi Vigyan Kendra, ZAHRS and College of Horticulture, Mudigere jointly organized Krishi-Thotagarika mela on 27-12-2024 and 28-12-2024 at ICAR-KVK premises.

Training Programme on “Integrated Farming System”

Farmers Training Institute, Iruvakkki and Directorate of Extension organized one day workshop on “Integrated Farming System” in collaboration with (ICAR-NIVEDI) National Institute of Veterinary Epidemiology and Disease Informatics, Bangalore on 8th and 30th November 2024.

Information on Importance of Animal Husbandry in Integrated Farming System (IFS) satisfactory marketing of IFS farm products, loan facility available from institutional sources were provided during the training. Inputs like cow mat, milk can and nursery seedlings of mango, sapota, black pepper, nutmeg, cocoa and arecanut were distributed to more than 90 farmers on the occasion.



Training Programme on Integrated Nutrient Management in Arecanut under Acidic Condition

ICAR-KVK, Shivamogga conducted off campus training programme on integrated nutrient management in arecanut under acidic condition at Alagere village, Thirthahalli Taluk on 04-10-2024. Dr. Anjali, M. C., Scientist (Soil Science), KVK, Shivamogga has given information on acid soil management, importance of organic manures, green manuring crops, bio-fertilizers and nutrient management in arecanut. Dr. Manujunath B. Kudri gave information on areca husk composting and its benefits. About 30 farmers got benefited from the training programme.



Training Programme on Opportunities for Agri Graduates



A Training programme on opportunities after agriculture was conducted at College of Horticulture, Mudigere on 29-11-2024. The training imparted necessary soft skills to the student participants. In addition, the role to be played by horticulture graduates in supply chain management was highlighted.

Training Programme on Scientific Honeybee keeping and Apiary Management

A training program on Scientific Honeybee keeping and Apiary Management was organised by the College of Forestry, Ponnampet in collaboration with CHES, Chettalli from 10-12-2024 to 12-12-2024. The training programme focused on scientific honeybee keeping for enhancing productivity, ensuring bee health, and fostering crop pollination. The farmers were educated to implement the scientific practices for sustainable apiculture. Around 75 farmers participated and got benefited from the training programme. The activity was coordinated by Dr. R. N. Kencharaddi and M.Sc. students of College of Forestry, Ponnampet.



Training Programme on Organic Farming and Felicitation to Progressive Farmers



ICAR-Krishi Vigyan Kendra, Shivamogga and Rotary Club (Central), Shivamogga jointly organized the training programme on "Organic Farming and Felicitation to the progressive farmers" of Shivamogga district" on 10-10-2024. During this event, seven progressive farmers of Shivamogga District were felicitated. A total of 65 farmers and farm women participated and got benefitted.

International Apitherapy workshop at Garden City University and College of Forestry

An International Apitherapy workshop and honey festival was jointly organized by Garden City University, KSNUAHS, Shivamogga and UAS, Bengaluru from 25-11-2024 to 29-11-2024. The workshop aimed at dissemination of information on the potent properties of honey, royal jelly, propolis, bee venom and bee pollen that promote physical well-being and address various health concerns. The workshop served to highlight the intricate relationship between humans and bees in the pursuit of optimal health. The inaugural session and first two days' activities of the workshop was held at Garden City University. The inaugural speech was delivered by Dr. G. M. Devagiri, Dean (Forestry). A total of 70 participants across India and resource persons from Romania, Turkey, Malaysia took part in the hands-on training on mass queen rearing techniques and royal jelly collection held at College of Forestry, Ponnampet. Practical demos on the use of bee hive products for different ailments; and discussions to take forward apitherapy in India was witnessed. In addition collaborations with expert scientists in the field of apitherapy was made on the last day of the workshop at Garden City University.



Workshop on Role of Farmer Producers' Organization in Creating the Business Opportunities

ICAR-Krishi Vigyan Kendra, Shivamogga in collaboration with NABARD, NGO-Chaitanya Rural Development Society, Shivamogga organized a workshop on the "Role of Farmers Producers Organization in creating the business opportunities for Areaca nut and black pepper and Market linkages" on 19-11-2024. The event was inaugurated by Shri D. S. Arun, Hon'ble Member of Legislative Council and in his inaugural speech, he highlighted the role of FPOs in improving market access, bargaining power and prices for their produce. Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor informed that FPOs help in collectivization of marginal small and landless farmers in overcoming market imperfections.



Participation in Conference

Dr. B. HemlaNaik, Director of Education, KSNUAHS, Shivamogga attended the National Conference on "Smart Farming Solutions for Ornamental Horticulture" held on 8th and 9th November 2024 at Maharana Pratap Horticulture University, Karnal, Haryana and delivered a Keynote address on "Recent advances in production technologies for exotic cut flowers viz. Lisianthus, Alstroemeria and Lupin for the economic sustainability of the farmers" and also Chaired Technical Sessions.



Dr. B. Hemla Naik, Director of Education, KSNUAHS, Shivamogga participated in the **International Conference on “Enabling Sustainable Food Systems through Natural Farming”** at **Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan** on 13th and 14th September 2024.



Dr. R. N. Kencharaddi participated in **International Bee Conference** held at **Burapha University, Thailand** in November.

AWARD

Dr. B. Hemla Naik, Director of Education, KSNUAHS, Shivamogga received the **“Lotus Puraskar”** conferred by the **Indian Society of Ornamental Horticulture (ISOH), IARI campus, New Delhi** at **Maharana Pratap Horticulture University Karnal, Haryana**.



Sports

11th KSNUAHS (S) Inter-Collegiate Ball Badminton (M & W), Chess (M & W) Kho-Kho (M & W) & Cricket (M) tournament was held between 30th November to 03rd December 2024 at College of Agriculture, Shivamogga. Kabaddi (M & W), Volleyball (M & W) Badminton (M & W) & Table Tennis (M & W) tournament was held between 16th to 18th November 2024 at College of Horticulture, Mudigere.

Photo News



The **ICAR-Krishi Vigyan Kendra, Shivamogga** in collaboration with **Agriculture and Horticulture Research Station, Honnavile** conducted

Field Day on Integrated Crop Management in Maize at **Honnavile** on **01-10-2024**.

Mahatma Gandhi and Lal Bahadur Shastri Jayanthi was celebrated at **Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences Iruvakk** main campus on **02-10-2024**.



ICAR-Krishi Vigyan Kendra, Chitradurga and **East West Company India limited** have jointly organized one day training programme on **Safe Use of Pesticides and Management** on **04-10-2024** at **KVK, Chitradurga**.

A Web cast programme on release of 18th installment of **PM Kisan** programme was organized at **KVK, Chitradurga** on **05-10-2024**.



Patron-in-Chief**Dr. R. C. Jagadeesha, Vice-Chancellor****Patron Chairman****Dr. B. Hemla Naik, Director of Education****Editor****Dr. Basavaraj Beerannavar**

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ICAR-KVK, Shivamogga conducted **field day on technology demonstration on Management of Fall Army Worm in Maize** at Athibylu village, Shikaripura taluk on **07-10-2024**.



ICAR-Krishi Vigyan Kendra, Shivamogga conducted **off campus training on Importance of Direct Seed Rice** at Suranagi village, Soraba taluk on **07-10-2024**.



ICAR-KVK, Shivamogga in collaboration with ICMR Kasturbha Medical College, Manipal, Udupi organized the **free blood test campaign** on **08-10-2024**.



A Front Line Demonstration on Integrated Crop Management in Cashew was conducted at Amparu village of Kundapura Taluk, Udupi Dist. on **15-10-2024**.



ICAR-Krishi Vigyan Kendra, Chikkamagaluru organized **15 days Certificate Course on Integrated Nutrient Management** on **18-11-2024**.

KSNUAHS, Shivamogga, organized an international workshop **"Perspectives, Opportunities, and Challenges for Research in Fisheries in a Changing Climate: A Workshop for Emerging Scientists"** on 19 to 23, November 2024.



The Silver Jubilee Foundation day of Agricultural Sciences Forum of Kodagu was organised at College of Forestry, Ponnampet on **26-11-2024**.



The ICAR-Krishi Vigyan Kendra, Mudigere organized **Ragi Field Day** at Kanabagatte Village in Ajjampura (Tq.) of Chikkamagalur District on **27-11-2024**.



ICAR-Krishi Vigyan Kendra, Shivamogga celebrated **'Women in Agriculture Day'** on **04-12-2024**.



33rd Foundation Day of College of Horticulture was grandly celebrated at Mudigere on **09-12-2024**.

