

From the Director's desk.....

Livestock is a vital component of our agrarian system, contributing significantly to food security, income, and employment. Despite its robustness, the sector faces substantial challenges, particularly concerning fodder availability. India faces a shortfall of about 10-12% in green fodder and around 25-30 % in dry fodder, which adversely affects the livelihood of millions of farmers and, potential growth of the dairy and meat industries. The gap between the demand and supply of fodder is a multifaceted issue, influenced by factors such as land use patterns, land degradation, lack of improved seed availability and limited awareness about modern fodder cultivation practices. The availability and quality of fodder seeds are pivotal in addressing the fodder shortage. Unfortunately, the current status of fodder seed production and distribution is inadequate to meet the growing demands. Additionally, the seed replacement rate for fodder crops remains low, affecting the overall productivity and quality of the fodder produced.

To mitigate these challenges, it is essential to adopt a multi-faceted approach leveraging technological advancements. Developing high-yield, climate-resilient fodder varieties are crucial. IGFRI has been at the forefront of developing such varieties that can thrive in diverse agro-climatic conditions, ensuring year-round availability of nutritious fodder. Strengthening the seed production infrastructure is also a priority. We are collaborating with various stakeholders, including private sector partners for quality seeds production in large quantities. Utilizing technology for precision farming, weather forecasting, and resource management can significantly enhance fodder production. Mobile applications and digital platforms can provide real-time information and support to farmers, enabling them to make informed decisions. Preserving surplus fodder through silage and haymaking techniques ensures that livestock have access to quality feed during lean periods. IGFRI has been promoting these practices through various awareness campaigns and demonstrations. Encouraging the adoption of sustainable practices, such as agroforestry, silvipasture, and integrated farming systems, can significantly contribute to fodder availability. These systems not only enhance fodder production but also improve soil health and biodiversity. Strong policy support and collaboration between government agencies, research institutions, and the private sector are essential to create an enabling environment for fodder development. Subsidies, incentives, and infrastructure development can facilitate the adoption of improved practices and technologies.

IGFRI is committed to addressing the fodder crisis through innovative research, farmer-centric approaches, and collaborative efforts. We invite all stakeholders to join hands in this endeavor and work towards building a resilient and self-sufficient fodder ecosystem in India. Together, we can ensure that our livestock continue to thrive and support the livelihoods of millions across the country. Thank you for your continued support and dedication to our mission. Let us stride forward with renewed vigor and determination to achieve fodder security in India.



Dr. Pankaj Kaushal joined as Director, ICAR-IGFRI, Jhansi on 2nd April 2024.

New Technology Developed

Lucerne variety IGFR-DL-2 (AWCL-2)

IGFR-DL-2 is a variety of Lucerne (*Medicago sativa*) developed by ICAR-IGFRI, SRRS Dharwad. It is a population developed from Anand-2 x Weevilchek. It is a herbaceous perennial and highly nutritious fodder legume grown under irrigated conditions. It produces green fodder yield of 85-90 t/ha/year and dry matter yield of 10-15 t/ha. The crude protein yield of 2.5-3.0 t/ha and seed yield of 1.0-1.5 q/ha is recorded. It is resistant to rust and leaf minor and moderately resistant to Weevil and *Helicoverpa armigera*. IGFR-DL-2 has been identified for release for North West Zone by the Variety Identification Committee during NGM rabi 2023-24 on 26th September 2023.



(K. Sridhar, S Karthigeyan, Sultan Singh, N.S. Kulkarni, Edna Antony, NK Shah, NR Bhardwaj)

Berseem Variety Bundel Berseem-9 (JHB-20-1)

Berseem (*Trifolium alexandrinum* L.) variety Bundel Berseem-9 (JHB-20-1) was derived from Mescavi ecotype cv. JHB-17-1 through induced mutation followed by phenotypic recurrent selection. JHB-20-1 was tested with two check varieties Wardan and Bundel Berseem-2 at multi-location in Central Zone for three years under AICRP (FC&U) trials. In AICRP trials JHB-20-1 provided 613.1 q/ha green fodder yield, 100 q/ha dry matter yield and 14.7 q/ha crude protein yields. The potential green fodder yield of JHB-20-1 was 1038 q/ha and dry matter yield was 171 q/ha. The variety was identified for release in the states of Madhya Pradesh, Maharashtra, Chhattisgarh and Bundelkhand parts of Uttar Pradesh by the Varietal Identification Committee meeting of AICRP on Forage Crops and Utilization.

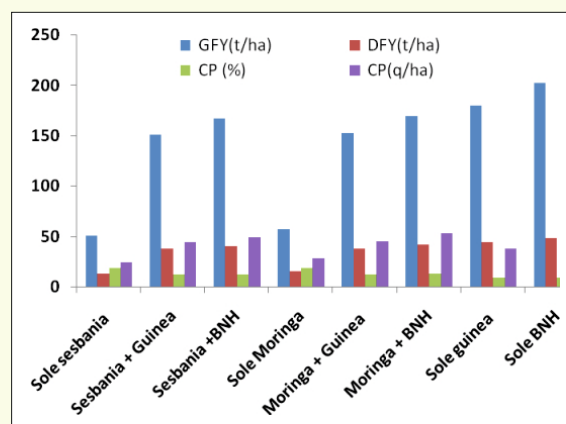
(Tejveer Singh, Ravi K Saini)

Managing Natural Resources for Sustainable Fodder Production

Research highlights

Fodder shrub based alley cropping systems for boosting fodder productivity and quality in irrigated areas of peninsular India

A fodder shrub based alley cropping systems was studied for fodder productivity and quality under irrigated conditions at Dharwad in peninsular India. Among the different fodder shrub components, moringa recorded higher green fodder, dry fodder, crude protein content and crude protein yield as compared to sesbania. Among the intercropped fodder grasses, bajranapier hybrid recorded higher green fodder, dry fodder, crude protein content and crude protein yield as compared to guinea grass. Among the intercropping systems, bajranapier hybrid + moringa recorded higher crude protein content and crude protein yield of the system as compared to all other intercropping combinations.



Livestock based integrated farming systems are improving income and livelihood of Bundelkhand farmers

The agricultural productivity and livelihood of farmers in Bundelkhand region is uncertain owing to faulty agriculture and livestock management practices coupled with aberrant weather conditions. As a solution, ICAR-IGFRI, Jhansi has developed various climate-resilient and productive integrated farming systems (IFS). One of such IFS was adopted by a farmer, Mr. Malkhan Pal of Padri village, Jhansi, Uttar Pradesh in year 2019. This 3-halivestock based IFS farm had 30 ACUs of animals comprising 24 buffaloes, 3 cattles, 40 sheep and 20 goats. Under the crop component, 40.0% area was under the food crops (rice, wheat, mungbean); 28.3 % under fodder crops (Berseem, Oat, Lolium, Sorghum, Maize, Pearl millet, Cowpea, Guar, BN Hybrid etc.), 20.0% under vegetables, 1.7% to flowers and 3.3% under fruits. The five year assessment of this IFS model indicates the annual



IGfRI-Livestock based integrated farming system adopted by Mr. Malkhan Pal of Jhansi, U.P.

production of various main and byproducts equal to the wheat equivalent yield of 910.0 q per ha which provided the net economic return of 7.9lacs per ha in a B: C of 1.77. Besides, model generated 1006 man-days of employment per ha per year. The pre-post comparison indicates improvement in production, income and soil fertility by 14-24%. The entire ecosystem services resulted from the effective integration and synergism among the components of LIFS which has made the farmer's production resilient from loss due to various biotic and abiotic stresses. This way, adoption of IFS model has created impact by sustaining the farm productivity, farmers' livelihood and farm's ecosystem services.

(Gaurendra Gupta, D.R. Palsaniya, Manjanagouda S. Sannagoudar, Deepak Upadhyay Khem Chand, Manju Suman, R.K. Patel, B.B. Choudhary, S.K. Singh and Sadhna Pandey)

Patent Received



Department of
BioTechnology,
Government
of India

सत्यमेव जयते

Fellowship



Dr. Maneet Rana, Scientist, ICAR-Indian Grassland and Fodder Research Institute, Jhansi has been awarded with the prestigious "Har Gobind Khorana-Innovative Young Biotechnologist Fellowship" by the Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India.

Trainings/Workshop

Under AICRP on goat improvement, IGFRI team organised awareness camp at Sersa, Datia, MP on 26th June, 2024. The program benefited the livestock keepers by educating them about scientific goat rearing and management. Farmers were also distributed with general health care medicine kits.



ICAR-IGFRI, SRRS, Dharwad, Karnataka undertaken training cum input distribution program at KVK Nandurbar under TSP.



IGFRI-RRS, Avikanagar organised farmers training cum input distribution program on 19.12.2024 under TSP at village Hapavas, Dausa, Rajasthan.



EDP Training on "Entrepreneurship prospects in converting green fodder to silage" is inaugurated on 26th February 2024 at ICAR-IGFRI, Jhansi. Participants including startups, progressive farmers and FPO representatives from various states (16 no.) attended.



Training on 'Fodder Crop Management Practices & Seed Production' was organised on 05.02.2024 by ICAR-IGFRI, SRRS Dharwad in collaboration with DoA, Belgaum, in which, 20 farmers & officials participated.



One day training was organized for 36 SC formers on 'Converting green fodder into silage' under AICRP on Goat Improvement Project on 30.01.2024.



One day DST-SERB funded workshop on 'Application of molecular and genomic tools for forage crops improvement' was organized 02 Feb 2024 by Crop Improvement Division, ICAR-IGFRI, Jhansi. A total of 25 students & faculty participated.



One day training 'Vermi-Compost Production & Utilisation' was organised on 5 February 2024 for 35 SC farmers of Ganeshgarh, Jhansi under AICRP-Goat Improvement.



One-day training on 'Health Management of Small Ruminant Animals' was organized 24 Feb 2024 at IGFRI, Jhansi under the SCSP. Participating women farmers learnt about the feed, nutrition and health management of small ruminant animals (Goat & Sheep).



राजभाषा हिंदी में अधिकाधिक कार्य' मंथन हेतु भा.कृ.अनु.प.— भारतीय चरागाह एवं चारा अनुसंधान संस्थान, झाँसी में एक दिवसीय हिंदी कार्यशाला का आयोजन दिनांक 27 मई, 2024 को डॉ. नीति शास्त्री, पूर्व प्रधानाचार्य, केन्द्रीय विद्यालय, झाँसी के मुख्य आतिथ्य एवं निदेशक डॉ. पंकज कौशल की अध्यक्षता में आयोजित किया गया। इस अवसर पर संस्थान के राजभाषा प्रभारी डॉ. सुनील कुमार के अलावा समस्त विभागाध्यक्ष, नामित वैज्ञानिक एवं अन्य तकनीकी — प्रशासनिक एवं सहयोगी कर्मचारी उपस्थित रहे।



ICAR-IGFRI, Jhansi organised a training cum exposure visit program on 'fodder production, conservation and utilisation technologies' on 26.12.2024, sponsored by Balinee Milk Producer Company Ltd. and NDDDB Dairy Services (NDS). A total of 13 CEOs and officers from fodder producer companies have participated in the program and got exposure to different fodder crops, their production, conservation and utilisation practices.



ग्रासलैण्ड में एक दिवसीय हिंदी कार्यशाला आयोजित 19.12.2024 किया गया जिसमें श्री मनमोहन भटनागर ने राजभाषा कार्यान्वयन एवं पत्राचार के संबंध में व्याख्यान दिया।



IGFRI, RRS, Avikanagar hosted a visit of 31 farmer members group from Dausa, Rajasthan on 19.12.2024. The farmers, while visiting the research centre and its fodder demonstration area, got exposure on various fodder crops and learnt about production & utilisation techniques of fodder.



'द हंस' फाउंडेशन ने भारतीय हिमालय चरागाह अनुसंधान केंद्र, आईजीएफआरआई केंद्र, पालमपुर के सहयोग से चारा प्रबंधन पर ज्वालामुखी और गगरेट में चारा प्रबंधन प्रशिक्षण कार्यक्रम का सफलतापूर्वक आयोजन 10.12.2024 किया जिस में कुल 114 किसानों ने भाग लिया।



ICAR-IGFRI, RRS, Srinagar organised an animal Health Camp and awareness program on forage and livestock technologies in Fakeer Gujri, Srinagar with KVK Srinagar on 11.12.2024, in which 56 tribal farmers, mostly women participated.



With the mission, "Towards Fodder Plus India", IGFRI RRS Srinagar organised one day Awareness cum Training Programme on 10th December 2024, on Forage Technologies and Grassland Management for enhanced Livestock Productivity under Tribal Sub Plan at Choontwaliwar, District Ganderbal.



IGFRI RRS, Srinagar and KVK, Kulgam organized a training programme for 52 tribal farmers, mostly sheep breeders in Panjgam, Kund, Kulgam on November 27, 2024. Perennial grass seed, deworming medicines, and mineral mixtures were distributed to boost livestock health. ICAR-IGFRI participated and showcased the institute's technologies at Global Soils Conference 2024 organised at NASC Complex, New Delhi on 19th November 2024. Various researchers and farmers visited and interacted to gather fodder technology-based information.



IGFRI, Jhansi participated and showcased the institute's technologies at Goat Mela organised at ICAR-CIRG, Makhdoom, Uttar Pradesh on 19th November 2024 under the National goat conclave.



Twenty progressive farmers from the Fruit Grower Association of Himachal Pradesh visited IGFRI RRS, Srinagar on 19.11.2024. Dr. Sheraz Bhat and Dr. Nazim Hamid shared innovative technologies to boost fodder through hortipasture and discussed weed management in apple orchards.



आई.जी.एफ.आर.आई, भारतीय हिमालय चरागाह अनुसन्धान केंद्र-पालमपुर द्वारा 'आदिवासी उप परियोजना के अंतर्गत' आदिवासी कृषकों की क्षमता वृद्धि हेतु "जागरूकता एवं प्रशिक्षण कार्यक्रम" 18 नवम्बर, 2024 ग्राम पंचायत दियोल (होली) जिला चम्बा में आयोजित किया गया।



A training program on 'fodder production, conservation and utilization for improved livestock productivity' was organized by ICAR-IGFRI, Jhansi in two batches during 04-07 and 11-14, November, 2024. This training program was sponsored by Veterinary Officers Training Institute (VOTI), Bhubaneswar and Fisheries and Animal Resources Development Department, Govt. of Odisha.

Agribusiness Incubation Centre (ABIC) of ICAR-IGFRI, Jhansi inaugurated an Entrepreneurship Development Program (EDP) training cum workshop on 'Entrepreneurship prospects for machine manufacturing for fodder production, processing & utilisation' being organised during 08-13 Sep, 2024 under NAIF-II Project, IPTMU, ICAR.



Workshop on Fodder Security in Cold Arid Regions of India' was successfully organised in the UT of Ladakh on 7-8 Sep 2024. by ICAR-IGFRI, Jhansi and AICRP (Forage Crops & Utilisation). Prof. S. K. Mehta, Fellow Royal Society of Chemistry (FRSC) and the Vice Chancellor of University of Ladakh, UT acted as chief guest, DDG Crop Sciences Dr. T R Sharma was the special guest and Director, ICAR-IGFRI, Jhansi graced the occasion as Guest of Honour.



Under SCSP-IGFRI, a farmer's Goshthi was organised for 50 SC farmers from Bargadh, Behta & Birguawan villages of Jhansi.



Under AICRP (Goat), an event organized on 12.08.24 for farmers from adopted villages of Datia & Jhansi where Bundelkhandi goat bucks distributed to beneficiaries for improving animal productivity. The event had dignitaries Dr MK Singh, PC, AICRP-Goat, Mathura; Director IGFRI & the team.



A two-day training program 'fodder production, conservation & utilisation' (08-09, Aug 2024) is being organised at IGFRI, Jhansi for 50 progressive farmers & farm women from district Ghazipur, U.P. This program is being sponsored by ATMA, Ghazipur, U.P.



IGFRI-ABIC technology incubation program PRERANA-1: Inspiring Entrepreneurs in Agriculture (24 June- 12 July 2024) marked completion with the valedictory session chaired by the Director Dr P. Kaushal.



A group of 19 Graduates from the College of Forestry, CSAUAT, Kanpur visited IGFRI, Jhansi on 12.07.24 as a part of their study tour. Students were apprised of forage technologies by team ATIC & also exposed with field demonstration of technologies while visiting Tech Demo Block.



IGFRI RRS Srinagar organised one day Awareness cum Training Programme on 10th December 2024, on Forage Technologies and Grassland Management for enhanced Livestock Productivity under Tribal Sub Plan at Choontwaliwar, District Ganderbal. A total of 60 tribal beneficiaries participated, and given with seeds and planting material of perennial grasses, rooted slips of Phalaris, deworming medicine and calcium supplement as demonstrations.



ICAR-IGFRI Srinagar Station, in collaboration with RARS Rajouri, organized a comprehensive training-cum-awareness programme on enhancing livestock nutrition with innovative fodder solutions on December 08, 2024. This significant event took place in the village of Dherian, Makote Panchayat of Rajouri district, and was attended by 65 enthusiastic tribal farmers.



ICAR-IGFRI, Jhansi's RRS, Avikanagar organised a fodder centric training cum input distribution program under SCSP on 17.10.2024. Apart from benefiting with the information on scientific fodder production, farmers also provided with necessary agri-inputs including fodder oat seed and plant growth promoter (Sagarika). The program was attended by 150 beneficiary farmers of SCSP from Gram Panchayat Chhareda, Hapavas and other adjoining villages from Dausa district.



A one-day Training-cum-Awareness Programme on "Intellectual Property: Farmers' Rights and Protection" was organized by ICAR-IGFRI Jhansi on 30th September 2024. Around 60 farmers participated in the programme.

Workshop on "Biotechnological tools & techniques for forage crop improvement" (March, 21-22) being organised by IGFRI, Jhansi with funding from DST-SERB.



Events/Days Celebrated

Swachhta Pakhwara

Institute celebrated 'Swachhta Pakhwara' during 16-31 December 2024 with aims to create greater awareness about the importance of cleanliness and environmental stewardship under the theme "Swacchta Hi Sewa 2024".



Farmers day celebration

Institute celebrated 'Kisan Diwas' on 23rd December 2024.

World Soil Day

ICAR-IGFRI, Jhansi celebrated the 'World Soil Day on 5th December 2024' and organised a farmer's training cum awareness program under the theme 'Caring for Soils: Measure, Monitor, Manage'. The program was attended by the 25 farmers from different villages of Jhansi.

Celebration of Foundation Week

ICAR-IGFRI celebrated 63 Foundation Day; Dr CD Mayee, Former Chairman ASRB was the Chief Guest and delivered Foundation Day Lecture. Bharat Kakade, the President & Managing Trustee of BAIF Development Research Foundation; Dr Sanjay Singh, Director General, Uttar Pradesh Council of Agricultural Research and Dr. A. Arunchalam, Director ICAR- CAFRI, Jhansi were Guest of Honour.



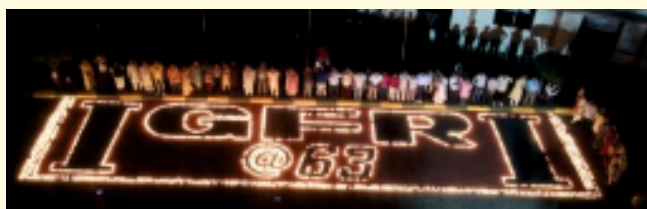
Following programmes were organized in celebration of "Foundation week"

The staff and their families lit 6,300 earthen diyas to mark the institute's journey in fodder research.

A fodder centric training cum input distribution program was organized.

A "Fodder Mela" was organized on 8th November, 2024 by Institute and its regional centers.

A lecture series was organized to make India a fodder plus nation. The lecture series was started in presence of Dr Meenesh Shah, Hon'ble Chairman and MD of NDDB, Anand as chief guest; and Prof (Dr) AK Singh Vice-Chancellor, RLBCAU, Jhansi and the Director, ICAR-CAFRI, Jhansi, Dr A Arunachalam as guest of honors.



संस्थान में हिंदी पखवाड़े (14-30 सितम्बर, 2024) का समापन डॉ. चंद्रिका प्रसाद त्रिपाठी, मानस मर्मज्ञ एवं पूर्व शिक्षक, राजकीय इंटर कॉलेज, झाँसी के मुख्य आतिथ्य में एवं संस्थान निदेशक डॉ. पंकज की अध्यक्षता में किया गया। ज्ञातव्य है कि हिंदी पखवाड़ा के अंतर्गत विभिन्न क्रिया-कलाप जैसे कि प्रारूप एवं टिप्पणी लेखन, निबन्ध, अनुवाद, भाषण, हिंदी कार्यशाला,

विभाग-अनुभाग का निरीक्षण, पुरस्कार वितरण इत्यादि आयोजित किए गए।



“एक पेड़ माँ के नाम”

On 17th September 2024, ICAR-IGFRI organized a plantation drive under campaign “एक पेड़ माँ के नाम”



Parthenium Awareness Week

Under the Parthenium Awareness Week (16-22 Aug 2024), IGFRI organised an event to make aware the school children of Alpine Public School, Jhansi regarding menace & management of Parthenium weed.



तिरंगा रैली का आयोजन

राष्ट्र के आगामी 78वें स्वतंत्रता दिवस के उपलक्ष्य में आइ.जी.एफ. आर.आई., झाँसी में तिरंगा रैली का आयोजन संस्थान के मुख्यालय एवं क्षेत्रीय शोध केंद्रों पर किया गया जिसमें राष्ट्र का जय-घोष करते हुए महापुरुषों के बलिदानों को याद किया गया।



ICAR-IGFRI Celebrated Van Mahotsav "India's tree-planting festival" by planting tree seedlings on 09.08.2024.



Indian Grassland and Fodder Research Institute (IGFRI), Jhansi, celebrated World Intellectual Property Day on April 26, 2024 with great fervor and enthusiasm. Dr. Sanjeev Saxena, former ADG, IP&TM, graced the occasion as the Chief Guest.



Visits/Educational Tour

Hon'ble Speaker of MP Leg. Assembly & former minister, Min. of AFW, Sri Narendra S. Tomar along with former DG, ICAR, Dr Panjab Singh & VC, RLBCAU, Jhansi Dr AK Singh visited IGFRI, Jhansi on Feb 10, 2024.



Sh. G.P. Sharma, Joint Secretary (Fin.), ICAR, inaugurated the auspicious 'ShriramVatika' at ICAR-IGFRI, Jhansi on Jan 22, 2024.



Trainee forest officers from Uttarakhand Forestry Training Academy, Haldwani visited IGFRI, Jhansi on Feb 24, 2024 as part of their academic program.



Dr. Gyanendra P. Singh, a well-known wheat breeder & Director, NBPGR, New Delhi visited IGFRI on 05 March, 2024. Dr Singh interacted with scientists & suggested for advanced research.



ICAR-AICRP on Seed (Crops) monitoring team visited IGFRI on Feb 5-6, 2024 for reviewing seed production practices.



Dr. T. R. Sharma, Hon'ble DDG (CS), ICAR visited IGFRI-SRRS, Dharwad on March 13, 2024. In this occasion, staff members from ICAR- IIPR and ICAR-IARI were also present.



A delegation led by Shri Gabriel D. Wangsu, Hon'ble Agriculture minister, Govt. of Arunachal Pradesh; Secretary, AHV & Fisheries along with other officials visited ICAR-IGFRI, Jhansi on Sep. 10, 2024.



Dr. Himanshu Pathak, Hon'ble DG, ICAR & Secretary DARE, New Delhi interacted with the scientists of IGFRI-RRS, Srinagar on 05.11.2024 during his visit to ICAR-CITH, Srinagar.



Dr. T. R. Sharma, Hon'ble DDG, Crop Science, ICAR, visited Himachal Pasturelands, ICAR-IGFRI-Palampur (H.P) along with Dr. Pankaj Kaushal, Director, ICAR-IGFRI, Jhansi and Dr. A.K. Shukla on 28.09.2024.



भारतीय चरागाह एवं चारा अनुसन्धान संस्थान झाँसी में भैंस सुधार पर नेटवर्क परियोजना की दो दिवसीय (12-13 नवंबर 2024) 21वीं वार्षिक समीक्षा बैठक का उद्घाटन मुख्य अतिथि डॉ राघवेंद्र भट्टा, माननीय उप महानिदेशक (पशु विज्ञान), भारतीय कृषि अनुसन्धान परिषद् द्वारा किया गया।



Dr P.L. Gautam, Former VC, GBPUAT, Pantnagar; Former Chairman, PPVFRA, New Delhi and Former Chairman, NBA, Chennai; and Dr T Mahapatra, Chairman PPVFRA and ex-Director General, ICAR and secretary DARE visited the ICAR-IGFRI, RRS- Srinagar on Sep 30, 2024.



Dr. Yaswant Singh, Ex PC (Jaggery Processing, Handling and Storage), and Ex Head (Agricultural Engineering), ICAR-IISR Lucknow visited IGFRI Jhansi on Sep 24, 2024.



Sh. Kanwal S Chauhan, Padmasree awardee progressive farmer & GB member, ICAR visited IGFRI. Director Dr. P. Kaushal briefed him about activities & achievements of the institute.



Dr SK Chaudhari, Hon'ble DDG (NRM), ICAR visited ICAR-IGFRI, SRRS, Dharwad centre on 29.04.24 & had interaction with all the staff members.

Meetings/Participation/Farmer's Fair/Industry Meet

ICAR-IGFRI, Jhansi participated and showcased technologies at Regional Agriculture Fair (3-5, Feb, 2024) organised by ICAR- Indian Institute of Vegetables Research Varanasi, Uttar Pradesh



ICAR-IGFRI, Jhansi participated and showcased technologies at Farmers Fair & Technology Exhibition (3-6, Feb, 2024) being organised by Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, Madhya Pradesh.



IGFRI, Jhansi with AICRP-FCU, Jhansi & Agrinnovate-India organised 'Forage Technology Exhibition cum Industry Meet-2024' on 12-13 Feb 2024. Dr DK Yadava, ADG (Seed) chaired the program as chief guest & Dr Praveen Malik, CEO, Agrinnovate India Pvt. Ltd. as guest of honour. In this program, more than 50 industry and AICRP people gathered and discussed various aspects of forage technology commercialization and popularization.



Technology and Machinery Demonstration Meet cum Farmer's Fair was organised under AICRP on Farm Implements and Machinery Project at institute on 13th February, 2024 to provide an opportunity to farmers, entrepreneurs, and other stakeholder groups to promote the adoption of new technologies and the use of machinery in different agricultural operations. Dr. AK Singh, Honorable, Vice-Chancellor, RLBCAU, Jhansi was the chief guest and inaugurated the programme. Apart from the farmer-entrepreneur-scientist interface session in the meet, an exhibition cum farmer fair was also arranged to display the technologies and products of ICAR institutes, KVKs, agri-machinery manufacturers, etc. More than 350 farmers participated in this event.



Project Monitoring & Evaluation Committee comprising Director, Dr VK Yadav (Chairman); Dr Sanjeev Kumar, Head, Crop Improvement Division, IISR, Lucknow (External Expert) & Dr RV Kumar (Internal expert); reviewed IGFRI research projects on 06.03.2024.



R&W Club of ICAR-IGFRI, Jhansi observed International Yoga Day on 21 June 2024. Occasion marked with organization of session on basics of Yoga and Meditation.

Institute organized an interaction meeting with District Development Officers (NABARD) of MP state on Sept. 30, 2024 at ICAR-IGFRI, Jhansi. Sri Sunil Kumar, CGM NABARD, and Sri Kamar Javed GM, NABARD, MP state along with Sri Bhupesh Pal, DDM Jhansi and 25 DDMs of MP discussed about fodder technologies and collaboration between two organizations for fodder development in MP.



MOU Signed

AnMoU has been signed with Dayanand Vedic College, Orai, U.P. for facilitating students training & postgraduate research.



MoU signed with Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K) to enhance research and development in grasslands, forage based agroforestry systems, fodder crops and pastoralism. The partnership will also facilitate the exchange of scientific knowledge and resources between the two institutions.



AnMoU has been signed between ICAR-IGFRI, Jhansi and ITM University, Gwalior, M.P. on 19, Sep, 24. This will open the doors for joint collaboration in the area of research, education and training between the partner institutions.



IGFRI signed an MoU on 22.07.2024 with the Department of Watershed, Government of Rajasthan for rejuvenation of pastures, R&D on cactus.



In order to provide better medical facilities, Institute signed MoU with Yatharth Super Speciality Hospital, Orchha, M.P. on Aug. 14, 2024; and an MoU with Sharp Sight Eye Hospital on 27.12.2024 and Jenya Hospital of Jhansi on 27.12.2024



IGFRI & Reliance Bio Energy Ltd. entered into an MoU for improving biomass production of forage grasses & further utilisation as Bioenergy feedstock.



Departmental Promotion in respect of Scientific, Technical, Administrative and Skilled Supporting Staff during the period 01.01.2024 to 31.12.2024

Sl.No.	Name of Officer	Nature of Promotion	Date of Council's OO
1.	Dr. Ravi Prakash Saini, Scientist, (Agricultural Biotechnology)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 02.07.2022	15.01.2024
2.	Sh. Maharishi Tomar, Scientist (Plant Biochemistry)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 01.07.2020	15.01.2024
3.	Dr. Avijit Ghosh, Scientist (Soil Science)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 24.04.2024	03.04.2024
4.	Dr. Brijesh Kumar Mehta Scientist (Genetics & Plant Breeding)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 04.01.2023	03.04.2024
5.	Dr. Keerthi M.C. Scientists (Agril. Entomology) (Transferred)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 12.09.2022	03.04.2024
6.	Dr. Neeraj Kumar, Scientist (Genetics & Plant Breeding) (Transferred)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 25.10.2021	03.04.2024
7.	Dr. Prabha Singh, Scientist (Plant Physiology)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 25.10.2021	03.04.2024
8.	Dr. Seva Nayak Dheeravathu, Scientist (Plant Physiology) (Transferred)	Research Level-12 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 8000/-pre revised) w.e.f. 01.01.2023	03.04.2024
To be designated as Sr. Scientist			
9.	Dr. Tejveer Singh, Sr. Scientist (Genetics & Plant Breeding)	Research Level-13A (7th CPC) in the pay matrix (Pay Band Rs. 37400-67000 + RGP 9000/-pre revised) w.e.f. 24.04.2022	03.04.2024
10.	Dr. Mukesh Choudhary, Sr. Scientist (Agronomy)	Research Level-13A (7th CPC) in the pay matrix (Pay Band Rs. 37400-67000 + RGP 9000/-pre revised) w.e.f. 15.12.2022	03.04.2024
11.	Dr. Shashikumara P., Scientist (Genetics & Plant Breeding)	Research Level-11 (7th CPC) in the pay matrix (Pay Band Rs. 15600-39100 + RGP 7000/-pre revised) w.e.f. 04.01.2023	03.04.2024

Sl.No.	Probation Period (Scientist)	Probation Period Confirmation	Date of Office Order
1.	Dr. Amit Kumar Patil, Scientist (Farm Machinery & Power)	01.07.2020	15.04.2024

Sl.No.	Probation Period (Multi Tasking Staff)	Probation Period Confirmation	Date of Office Order
1.	Sh. Shripat/Banshi, Multi Tasking Staff (Cleaner)	11.11.2022	31.05.2024
2.	Sh. Gulab Singh/Shriram, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
3.	Sh. Ningappa V. Bailur/ Varappa Bailur, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
4.	Sh. Omprakash/Gopal Dhanka, Multi Tasking Staff (Peon)	12.11.2022	31.05.2024
5.	Sh. Asharam/Raghuwar, Multi Tasking Staff (Mali)	11.11.2022	31.05.2024
6.	Sh. Keshav/Ram Lal, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
7.	Sh. Maruti R. Belamaddi/Ramappa Belamaddi, Multi Tasking Staff (Lab Attd.)	11.11.2022	31.05.2024
8.	Sh. Rudrappa S. Nagneur/ Shankarappa, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
9.	Sh. Khuman/Kamta, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
10.	Sh. Panchu/Hardas, Multi Tasking Staff (Peon)	11.11.2022	31.05.2024
11.	Sh. Ratiram/Radhakashan, Multi Tasking Staff (Peon)	12.11.2022	31.05.2024

12	Sh. Shiyojiram/ Ranbaj, Multi Tasking Staff (Peon)		12.11.2022	31.05.2024
13	Sh. Kapil/Jagannath, Multi Tasking Staff (Mali)		28.11.2022	31.05.2024
14	Sh. Moti Lal/Govind Das, Multi Tasking Staff (Lab Attd.)		18.03.2023	31.05.2024
15	Sh. Dhani Ram/Param, Multi Tasking Staff (Workshop Staff)		18.03.2023	31.05.2024
16	Sh. Madan/Laxmi Narayan, Multi Tasking Staff (Peon)		18.03.2023	31.05.2024
Sl.No.	Probation period (Technical Staff)		Probation period confirmation	Date of office order
01.	Dr. Anjali MV, T-6		27.07.2024	28.11.2024
Sl.No.	Technical	Nature of promotion category		Date of office order
1.	Sh. D.K. Singh Ex-CTO (Retired)	T-7/8 to T-9 01.01.2022		18.03.2024
2.	Smt. Seema Khatri, CTO	Grant one advance increment in same grade (T-9) 01.01.2022		18.03.2024
3.	Sh. Pradeep Kumar Tyagi, CTO	Grant one advance increment in same grade (T-9) 01.01.2022		18.03.2024
4.	Sh. R.B. Bhondele, Ex-CTO	T-7/8 to T-9 01.01.2022		18.03.2024
5.	Sh. Ram Asre, CTO	T-7/8 to T-9 01.01.2022		18.03.2024
6.	Sh. Harish Kumar Agrawal, CTO	Grant one advance increment in same grade T-9 01.01.2022		18.03.2024
7.	Sh. Atul Kumar Saxena, CTO	Grant one advance increment in same grade T-9 01.01.2022		18.03.2024
8.	Sh. Kailash Prakash Rao, CTO	Grant one advance increment in same grade T-9 24.02.2023		18.03.2024
9.	Sh. Deepak Choudhary, STA	T-3 to T-4 27.08.2023		17.09.2024
10.	Sh. Uttam Singh Verma, STA	T-3 to T-4 27.04.2024		23.09.2024
11.	Sh. Arun Prajapati, STA	T-3 to T-4 07.08.2023		23.09.2024
12.	Sh. Syed Julfikar Ali, TO	T-4 to T-5 01.01.2024		23.09.2024
13.	Sh. M.K. Tripathi, TO	T-4 to T-5 21.07.2024		23.09.2024
14.	Sh. Shailendra Sinha, ACTO	T-6 to T-7/8 19.08.2024		25.11.2024
15.	Sh. Devendra Pratap, STO	T-5 to T-6 09.06.2024		25.11.2024
16.	Sh. V D Chhavada, CTO	Grant one advance increment in same grade (T-9) 01.01.2023		25.11.2024
17.	Sh. Ashok Kumar Singh, ACTO	T-6 to T-7/8 24.03.2024		25.11.2024
Sl.No.	Administrative	Nature of promotion category		Date of Office Order
1	Smt. Shobhita Nair	Assistant to AAO 09.07.2024		09.07.2024
2.	Sh. Amit Kumar Singh	Assistant to AAO 02.09.2024		02.09.2024
New Appointment /Joined				
01	Dr. Atufa Regu, Scientist (Agril. Extension) Joined to IGFRI, RS, Srinagar			22.01.2024
02.	Sh.Dharam Singh Soni	T-1		07.05.24
03.	Sh.Ajay Kumar	T-1		30.04.24
04.	Sh.Suraj Kumar	T-1		29.04.24
05.	Sh. Surendra Rajpoot	T-1		06.05.24
06.	Ms.Shivani Prakash	T-1		27.5.2024
07.	Sh. Anand Raj	T-1		06.05.2024
08.	Sh. Rambhoo Kumar	T-1		29.04.24
09.	Sh. Priyanshu Anand	T-1		09.05.2024
10.	Sh.Akhilesh Kumar	T-1		29.04.2024
11.	Sh. Ravi Shankar Ku	T-1		07.05.2024
12.	Sh. Sundram Kumar	T-1		07.05.2024
13.	Sh. Mayank Rai	T-1		15.05.2024
14.	Sh. Arun Kumar	T-1		22.04.2024
15.	Sh. Nitesh Kumar Ravi	T-1		06.05.2024
16.	Sh. Kumar Vivek,	CAO		10.06.2024
17.	Sh. Aneel Kumar	UDC		21.06.2024
18.	Sh. Pithani Satya Naveen,	AFAO		22.08.2024
19.	Sh. Ajay Sehrawat,	Assistant		09.09.2024
20.	Sh. Sddhartha Pratap Singh,	Assistant		09.09.2024
21.	Sh. Shubham Yadav,	Assisant		09.09.2024
22.	Sh. Pranjal Panwar,	Assistant		26.09.2024

23.	Sh. Akash Prakash Verma,	Assistant	27.09.2024
24.	Sh. Satyam Agrawal,	Assistant	03.10.2024
25.	Sh Sohail Khan,	Assistant	11.10.2024
26.	Sh. Shubham Tripathi,	Assistant	21.10.2024

Transferred.

01	Dr. Tanmaya Kumar Sahu, Scientist (Bioinformatics) transferred to IAB, Ranchi relieved on 30.01.2024
02.	Dr. Deepak Upadhyay, Scientist appointed post of Associate Professor, RLBCAU Datia under RLBCAU, Jhansi. relieved 24.07.2024
03.	Sh. Yash Kapoor transferred to NBPGR, New Delhi relieved on 31.05.2024
04.	Sh. Firoz Khan, CAO(SG) relieved to IAB, Ranchi on 12.06.2024

Retired

01	Dr. N. Dikshit, Pr. Scientist (EB&PGR) on 31.03.2024	02	Dr. Manju Suman, Pr. Scientist on 31.08.2024
03	Smt. Anita Srivasatava, T-5 (Mid wife) on 29.02.2024	04	Sh. Ami Chand(F&F), T-7/8 on 29.02.2024
05	Sh. K.L. Meena, T-6 (Wire man) on 29.02.2024	06	Sh. R.B. Bhondele, T-7/8 (Electrician) on 31.03.2024
07	Sh. N.K. Tripathi, T-7/8 (Draftman) on 31.03.2024	08	Sh. Faiyaz Khan, AAO on 31.03.2024
09	Sh. Jagdish Prasad, Private Srecatry on 31.05.2024	10	Sh. Shivcharan, SSS (Mazdoor) on 29.02.2024
11	Sh. Chote Raj, SSS (Peon) 29.02.2024	12	Sh. Prabhu, SSS (Peon) on 29.02.2024
13	Sh. Hari Ram, MTS retied on 31.07.2024	14	Sh. Harjeet Singh Yadav, AAO retired on 31.08.2024
15	Dr. S.K Rai, PS -Expired on 16.10.2024	16.	Sh. Kapil Kumar, T-7/8 retired on 30.11.2024
17	Sh. Pradeep Kr. Karpe, CTO on 31.12.2024	18	Sh. Ashok Kumar, ACTO on 31.12.2024
19	Sh. Shiyojiram, MTS on 31.12.2024		

List of IGFRI Technologies Certified by ICAR in 2024

S.No.	Technologies Certified
1.	Eco restoration Efficiency Index for Semiarid Region (Concept)
2.	Morus based silvipasture model for fodder supply and land restoration
3.	Acacia based silvipasture model for fodder supply and land restoration
4.	A Climate resilient food-fodder production model under rainfed situation
5.	Conservation agriculture technology in Sesbania alley based rainfed food-fodder system
6.	Invasive weed (Parthenium and Lantana) based biochar as soil amendment technology for improved fodder production
7.	Multi-enterprises IFS model for irrigated smallholder farmers of Bundelkhand region
8.	Package of practices for spineless fodder cactus under rainfed condition of semi-arid tropics of central India
9.	Dairy based IFS model for irrigated small and marginal farmers of Bundelkhand region
10.	Agro-silvipasture based rainfed IFS model for goat farmers of Bundelkhand region
11.	Fungicides-based management strategy against blast disease of forage pearl millet in India
12.	Prediction model for assessing powdery mildew disease in common Oat
13.	Prediction model for assessing Sclerotinia Stem Rot in Egyptian Clover (Trifolium alexandrinum L.)
14.	Weather-based models for predicting risk of zonate leaf spot disease in Sorghum
15.	Farmer's technical efficiency estimation in green fodder production
16.	Identification of optimum detopping stage in fodder period and seed field in central and Southern part of India
17.	Defluffing machine for the separation of true seeds of fluffy grass seeds- submitted by team leader
18.	GC-MS/MS and LC-MS/MS based multiresidue method development for estimation of pesticides and veterinary drugs in animal feeds

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