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देवकफुध लकेपकि=



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April-June, 2018

30th Foundation Day and Farmer's Workshop

ICAR- CAFRI, Jhansi celebrated its 30th Foundation Day on 8th May, 2018. Dr. Alka Bhargava, Joint Secretary, National Agroforestry & Bamboo Mission (NABM), Department of Agriculture and Cooperation, Ministry of Agriculture and Farmers Welfare, Govt. of India, Krishi Bhawan, New Delhi was the Chief Guest of the function. Dr. Bhargava in her foundation day lecture highlighted the development of small & marginal farmers by transferring the agricultural and agroforestry technologies at their field. Guest of honour Dr. A. K. Mishra, Director, ICAR-IGFRI, Jhansi appreciated the contributions made by the CAFRI.



A Farmers' Workshop entitled "Bundelkhand Main Bans Ke Kheti Ke Sambhavna" was also organized. The workshop was organized in collaboration with World Agroforestry Centre, South Asia Regional Office, New Delhi, ISAF, Jhansi and ICAR-CAFRI, Jhansi. About 120 farmers from U.P. & M.P. participated in the workshop. Three progressive farmers were honoured for adopting Bamboo based Agroforestry technologies and setting example for other farmers in the Bundelkhand region.

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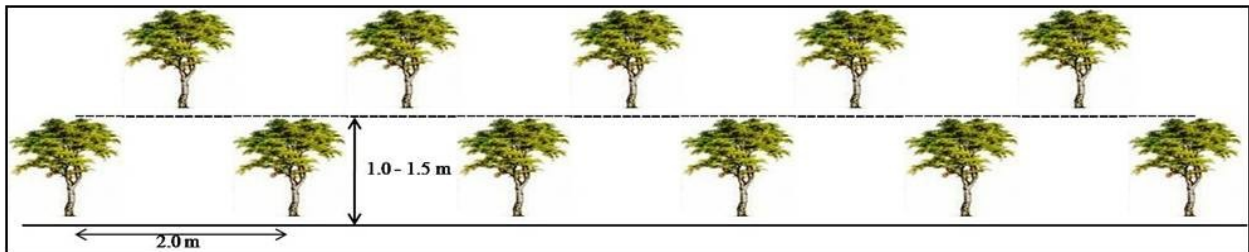
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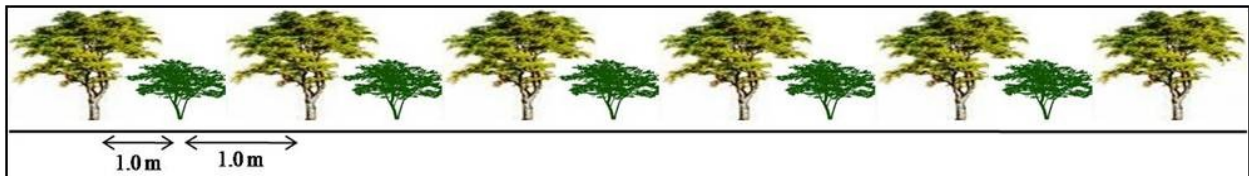
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Exhibition Stall

The exhibition stall of ICAR-CAFRI, Jhansi was awarded the **Excellent Stall Award** on 6th April, 2018 by NDUAT during the Kisan Mela. All the team members namely Dr. R.P. Dwivedi, Dr. K.B. Sridhar and Shri Rajesh Srivastava received the award from Dr. A.P. Rao, Director Extension, NDUAT, Kumarganj, Faizabad. The exhibition stall has increased the awareness of the farmers about agroforestry. Also participated during farmer-scientist interaction and question- answer session of the Kisan gosthi.



Awards and Honors

Dr. Dhiraj Kumar received **“Young Scientist Award-2018”** by The Society of Tropical Agriculture. This award was given on the eve of “7th International Conference on Agriculture, Horticulture and Plant Sciences” held during 28th -29th June, 2018 at Shimla (H.P.).



Dr. Dhiraj Kumar were awarded **'Best Research Paper Presentation Award'** for the paper entitled “Distribution of fine roots of well-established *Phyllanthus Emblica* (Aonla) based agroforestry system in Bundelkhand region of Central India” during “7th International Conference on Agriculture, Horticulture and Plant Sciences” held during 28th -29th June, 2018 at Shimla (H.P.).

Dr. Mahendra Singh, K. B. Sridhar, Dhiraj Kumar, R. P. Dwivedi, Inder Dev, R. K. Tewari and O.P. Chaturvedi received **Best Popular Article Award** (English) for the article entitled “Agroforestry for doubling farmers’ income: a proven technology for trans-gangetic plains zone

of India” published in Indian Farming. This honour is conferred at the function of 30th Foundation Day Celebration on 8th May, 2018.

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Human Resource Development

- Dr. Mahendra Singh participated and presented a paper on "**Valuation of carbon sequestration from Poplar-based agroforestry: A methodological perspective**" in seminar on "Agriculture and ecosystem services" during 28th -29th May, 2018 at ICAR – National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi.
- Dr. Dhiraj Kumar participated “7th International Conference on Agriculture, Horticulture and Plant Sciences” organized by The Society of Tropical Agriculture, New Delhi held during 28th -29th June, 2018 at Shimla (H.P.) and presented a research paper entitled “Distribution of fine roots of well-established *Phyllanthus Emblica* (Aonla) based agroforestry system in Bundelkhand region of Central India”.

Certification of Trees outside Forests (TOF): Agroforestry

A workshop on "Stakeholder consultation on trees outside forests certification standard" under chairmanship of Dr. Devendra Pandey held on 16th May, 2018 at ICAR-CAFRI, Jhansi. Forest certification is a market-based mechanism, which provides a link between production and consumption of forest products. This is a way to verify whether or not forests are well managed based on a combination of economic, social and environmental indicators. Similar to food labels such



organic, forest certification labels communicate to consumers how a product was made, enabling consumers and businesses to make purchasing decisions that benefit people and the environment. Certification is a voluntary way to gain market recognition by committing to good forest management practices. The most well respected international standards for sustainable forest management were developed by the Forest Stewardship Council™ (FSC), an independent, nongovernmental, nonprofit organization established in 1993 to promote the responsible management of the world's forests. FSC forest certification standards consist of 10 principles that are meant to ensure that forest management is legal according to national and international laws, respects the rights of workers and indigenous people, limits negative environmental impact and protects areas in the forest that are culturally significant or are habitat for endangered plants or animals.

Network for Certification and Conservation of Forests (NCCF) came into existence in January 2015 as a non-profit organisation, registered as a Society, to have a globally aligned certification program developed within India and addressing the concerns for sustainable management of forests and the plantations, while at the same time making the Indian wood and forest fiber based industry competent globally.

TOF Certification Standards

The term TOF, refers to “all trees growing outside recorded forest areas”. TOF has classified into two categories: agroforestry and urban-forestry. The agroforestry category includes all kinds of tree plantation done on farmlands and rural landscapes, whereas urban-forestry includes plantation done in urban landscapes, along highways, avenues, railway lines, canals, etc. Globally, the wood-based industries are moving towards certification and keeping the TOF outside the certification ambit is impacting the uptake of these resources by the industry, as well as denying them the benefits of certification. It is keeping these issues in mind that the NCCF decided to embark on this mission, NCCF has initiated the process for the development of assessment standards for Certification of Trees outside Forests (TOF), through a multi stakeholder Standard Development Group (SDG).

Broadly, there are two approaches for certification of TOF: a) Landscape/standalone; and b) Buyer-led and Management Entity approach.

There are six theme, twenty eight criteria and ninety four indicator have developed based on principles of FSC. The themes are: I) Legality compliance with legal requirements; ii) Management plan and practices; iii) Health and vitality of TOF resources; iv) Maintenance and enhancement of productive functions; v) Socio-economic responsibility; and vi) Conservation and environmental safeguards.

Certification allows producers/harvesters to differentiate their products or services by informing consumers about the product or the process by which it was grown or harvested. The certifications benefit both farmers and consumers. For the farmers, benefits include increase demand for their products, if they carry a certification involving eco-friendly practices. While consumers benefit from products that have much more demanding testing and requirements, so the final products tend to be higher quality.

The common opinion was, the certification of TOF is a right step but awareness among stakeholders is necessary for successful formulation and implementation of the programme.

Institute Research Council

Institute Research Council (IRC) meeting was held on 23rd & 24th June, 2017. All the Scientists of the Institute participated in the meeting and presented the progress and significant findings of their projects.

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