



ICAR – Central Agroforestry Research Institute

ISO 9001 : 2015 Certified Constituent Lab of ICAR



Indian Council of Agricultural Research

Department of Agricultural Research & Education
Ministry of Agriculture & Farmers' Welfare
Government of India

ICAR – Central Agroforestry Research Institute

About us

ICAR-Central Agroforestry Research Institute (ICAR-CAFRI), formerly the National Research Centre for Agroforestry, is a multidisciplinary premier research institute of the Indian Council of Agricultural Research (ICAR) with a major focus on integrating trees, crops and livestock on the same farmland. The Institute is in Jhansi, Uttar Pradesh (25.5° N 78.5° E), India and has a total area of 254.859 acre (214.079 research farm and 40.78 office & residential area). CAFRI is the only dedicated research institute of the country working on key research areas of agroforestry with 31 scientists, 16 technical, 12 administrative and 8 skilled supporting staff as its sanctioned cadre strength. CAFRI has developed robust agroforestry models and package of practices for different agro-climatic conditions covering small and marginal farmers, and provides technical backstopping to the States and stakeholders.

History

- ICAR initiated a network project for organized agroforestry research in 1983 i.e., All India Coordinated Research Project on Agroforestry
- The National Research Centre for Agroforestry (NRCAF), as a unit of ICAR was established on 8th May 1988
- Renamed as Central Agroforestry Research Institute (CAFRI) on 1st December 2014

Vision

To improve the quality of life of rural people by integrating perennial crops in agricultural landscape for harnessing social, economic and environmental benefits.

Mission

Integration of woody perennials in the farming system to improve land productivity through conservation of soils, nutrients and biodiversity by augmenting natural resource conservation, restoration of ecological balance, alleviation of poverty and mitigating risks of weather vagaries.

Our Mandate

Develop sustainable agroforestry models for farms, marginal land and wastelands in different agro-climatic zones

Coordinate network research for identifying agroforestry technologies for inter-region

Training in agroforestry research for ecosystem analysis

Transfer of agroforestry technology in various agro-climatic zones



Research Areas

- Exploration, collection, evaluation, characterization, multiplication, conservation and genomics of tree germplasm and agroforestry associated microbial flora and fauna
- Conducting basic, strategic, applied research on tree-crop interactions, soil fertility improvement and ecological productivity
- Analysis of ecosystem services and socioeconomics of agroforestry systems
- Development of location-specific agroforestry interventions for livelihood security, value addition, watershed management, technology refinement and carbon sequestration
- Demonstration and promotion of best agroforestry models for rainfed/irrigated/arable/non-arable ecosystems
- Framework for agroforestry outreach and policy analysis



AICRP on Agroforestry

- The coordinating unit of the All India Coordinated Research Project on Agroforestry (AICRPAF) was initially located at ICAR HQ in New Delhi
- CAFRI, Jhansi w.e.f. April 1, 1997, took over the responsibility of AICRPAF
- A network of 37 centres are in operation covering different agro-ecological regions of the country

Lab to Land

- Promoting agroforestry through awareness and demonstration in adopted villages under "Mera Gaon - Mera Gaurav" program of ICAR
- Conducting national/international trainings/workshops including capacity building of all stakeholders in agroforestry technologies
- Development of digital platforms including mobile *app* for agroforestry extension
- Enabling implementation of Sub-Mission on Agroforestry and National Bamboo Mission



TREE + CROP + LIVESTOCK = "AGROFORESTRY FIRST"

Laboratories in the Institute:
Agroforestry, Agronomy, Horticulture, Soil Science,
Tree Physiology, Tree Improvement, Tissue Culture,
RS&GIS & ATIC



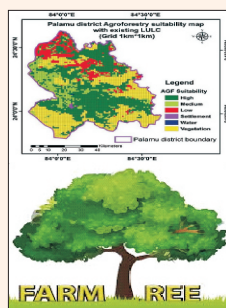
Model Nursery

- CAFRI has modern hi-tech nursery with automated temperature, ventilation, light, and watering facility available for mass multiplication
- Standardized propagation techniques such as mini-clonal technology, tissue culture, budding, grafting, cuttings and through seed for agroforestry tree species
- Major species of production: Teak, Indian sandal, Neem, Melia, Bamboo, Mahogany, Shisham, Moringa, Dragonfruit, Guava, Aonla, Citrus, Mango, etc
- CAFRI in association with World Agroforestry gave the guidelines to produce quality planting material of agroforestry species



Digital Agroforestry

- Mapping of agroforestry area using Remote Sensing and GIS techniques; 26,329 m ha under agroforestry in the country
- **FarmTree Mobile App**, a user-friendly, bilingual (English and Hindi), android based platform developed with all basic information on 25 commonly grown promising agroforestry tree species
- The app can be downloaded from google playstore
<https://play.google.com/store/apps/details?id=com.cafri.farmtree>



Partnerships

For Research

- ICRISAT, Hyderabad
- ICRAF, Kenya
- FAO, India Office
- ICFRE, Dehradun

For Education

- RLBCAU, Jhansi
- FRI, Dehradun
- IGKV, Raipur
- SHIATS, Prayagraj
- Bundelkhand University, Jhansi

For Extension

- NCCF

.....and many others

Institutional Linkages

Central Agencies

- NITI Ayog
- DoAC & FW, DAHD, NRAA, MoEFCC, ICFRE

State Agencies

- Sub-Mission on Agroforestry & National Bamboo Mission
- State Forest Departments
- State Agricultural Universities



Success Stories

Successful agroforestry models for different agro-ecological regions of India

- Developed bankable agroforestry models for 20 agro-ecological regions of India covering arid, semi-arid, coastal, humid, sub-humid and island ecosystems of India
- These models help in conservation of soil, water, nutrients and support the livelihood of farmers

Management of Parasai-Sindh Watershed (ICRISAT Partnership)

- Enhanced water availability in target villages through rainwater harvesting and recharging of wells
- Enhanced water-use efficiency and agricultural productivity through improved management of land and water resources
- Established a site of learning within five years of project inception
- Transformed villages from degraded to productive stage

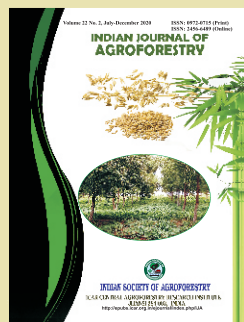


Our commitments to you!

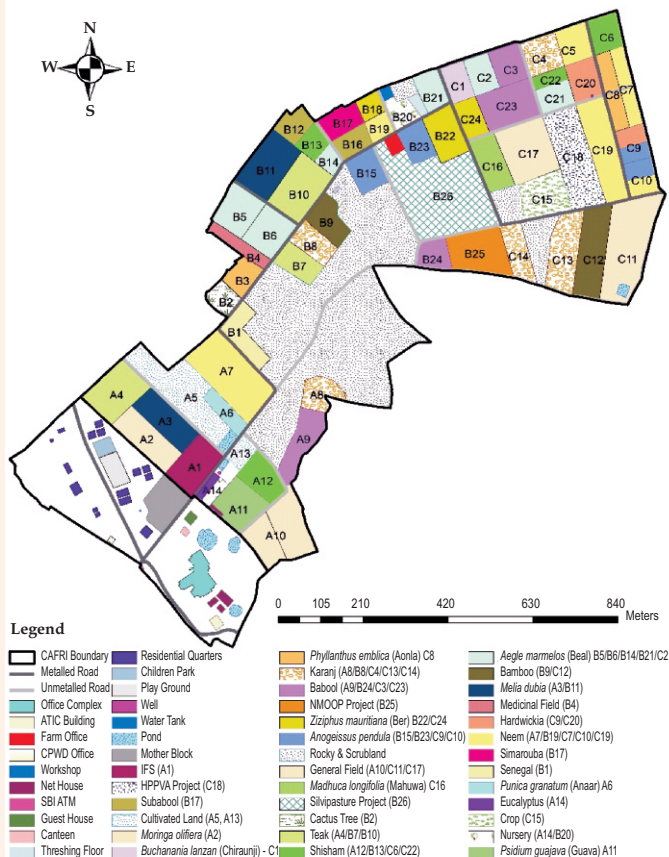
- Providing location-specific agroforestry techniques
- Providing quality planting material of tree species
- Capacity building to stakeholders through skill development trainings
- Providing consultancy services
- Guiding students through dissertation and internship

Indian Society of Agroforestry

- Established in 1998
- Total life members : 500+
- Membership fee:
 - Life Membership - Rs. 5000/- per individual
 - Annual - Rs. 500/- per individual
 - Institutional - Rs. 2500/- per annum
- Journal: Indian Journal of Agroforestry (NAAS Rating : 5.19)
- Awards
 - K.G. Tejwani Award for Excellence in Agroforestry R&D
 - Dr. S. Chinnamani Award for Excellence in Agroforestry Extension
 - Lifetime Achievement Award
 - ISAF Gold Medal Award
 - ISAF Fellowship Award
 - ISAF Best Paper Award



PRESENT LAND USE OF CAFRI (2021)



Citizen's/Client's Charter ICAR-Central Agroforestry Research Institute Gwalior Road, Jhansi 284 003 (U.P.)

Our Commitments to You

S. No.	Our Service(s) and Transaction(s)	How we measure our performance in this area	Our Service Standard
1.	Providing location - specific agroforestry techniques	Guidance/Technology provided	3 Months
2.	Providing quality planting materials	Quality planting materials of tree species supplied	As per advance indent
3.	Capacity building of stakeholders	Skill trainings organized	3 Months
4.	Providing consultancy services	Assessment, monitoring and evaluation services	As required
5.	Guiding students	Curriculum developed; research guidance through dissertation and internship	As per agreement

For more details on the procedure, document required and contact person, please visit our website at <http://cafri.res.in>.
What you should do: Visit and meet the personal standards of service!
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Respect your environment as the foundation of healthy, prosperous society.
Lead an ethical & Performance Management Ethics, Customer Satisfaction, and Environmental Care.



For further information:

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Swachh Bharat Abhiyan



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