



ICFRE-INSTITUTE OF FOREST PRODUCTIVITY, RANCHI

(Indian Council of Forestry Research & Education)



ICFRE- Regional Research Conference

Improvement on productivity of forest and generation of livelihood through degraded land management

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Organized by

ICFRE- Institute of Forest Productivity, Ranchi in collaboration with
ICFRE - Institute of Forest Biodiversity, Hyderabad



Regional Research Conference (RRC) 2023 was organized by ICFRE-Institute Forest Productivity (IFP), Ranchi jointly with ICFRE-Institute of Forest Biodiversity (IFB), Hyderabad on 4th August 2023 through hybrid mode to identify research needs and formulate future projects keeping in view the research requirements of State Forest Departments and various other stakeholders. Shri Arun Singh Rawat, Director General (DG), Indian Council of Forestry Research and Education (ICFRE), Dehradun, presided over the RRC while Dr. Debidutta Biswal, IFS, Principal Chief Conservator of Forests and Head of Forest Force, Odisha graced the conference as Chief Guest.

While welcoming the distinguished guests and participants of the RRC, **Dr. Yogeshwar Mishra**, Director ICFRE-IFP Ranchi, called for recommendations and suggestions towards formulation of research projects under the aegis of the Indian Council of Forestry Research and Education or for financial support from other sources. He elaborated on the objectives of organizing the RRC and briefed the attending dignitaries about the themes of the conference to be held in two technical sessions. On this occasion, the Director, ICFRE-IFB, Hyderabad, **Shri E.V.Reddy** also welcomed the dignitaries and expressed confidence that all sessions of the conference would yield important conclusions through brainstorming. Senior forest officials from the states of Jharkhand, Bihar, Odisha, West Bengal, Telangana, representatives of colleges, universities, NGOs, dignitaries from industrial sector attended the conference. **Dr. Ratnaker Jauhari**, IFS, Deputy General Director (Research), Indian Council of Forestry Research and Education, Dehradun apprised the delegates about the objectives of the conference and called for

identification and prioritization of research needs and increasing prospects of research collaborations with regional research institutions. He said that research should benefit and be acknowledged by the common man. He also called for active collaborations with NGOs, farmers and industry, besides other stakeholders. He informed the house about the release of forest soil health cards in the country which is a good initiative towards reaching out to people and helping with their farm land issues.

Dr. D.K. Saxena, IFS APCCF, Research & Training, SFD, Jharkhand said that research on sustainable agro forestry model is required and also mentioned that quality seeds and planting materials are required for plantation. Parameters need to be developed for confirming the quality of seeds for certification purposes.

Sh. Piar Chand, IFS, PCCF (Res, Mon. & Dev.), West Bengal said that focussed research is required for Sal (*Shorea robusta*) rejuvenation and Sal mortality in South Bengal. He called for REDD+ project formulation and research on red sanders and white sanders in Bengal.

Shri Arun Singh Rawat, IFS, Director General, Indian Council of Forestry Research and Education, Dehradun while speaking on various aspects of researches being carried out in ICFRE, said that theme based RRC enables the stakeholders to discuss on specific issues and come out with solutions. He informed that country wide research is being carried out through All India Coordinated Research Projects (AICRP) funded by CAMPA. He mentioned about the release of soil health cards for forest divisions of all states. He talked about 69 varieties and clones that have been released by ICFRE, tissue culture raised plants distributed in Madhya Pradesh and Chattisgarh. He informed about the implementation of REDD+ action plan in North Eastern states and ICFRE-IWST Chair of Excellence work in certification of timber. He was of the opinion that eradication of invasive species *Lantana camara* needs to be taken up and models/methods needed to be developed for utilization of *Lantana camara*.



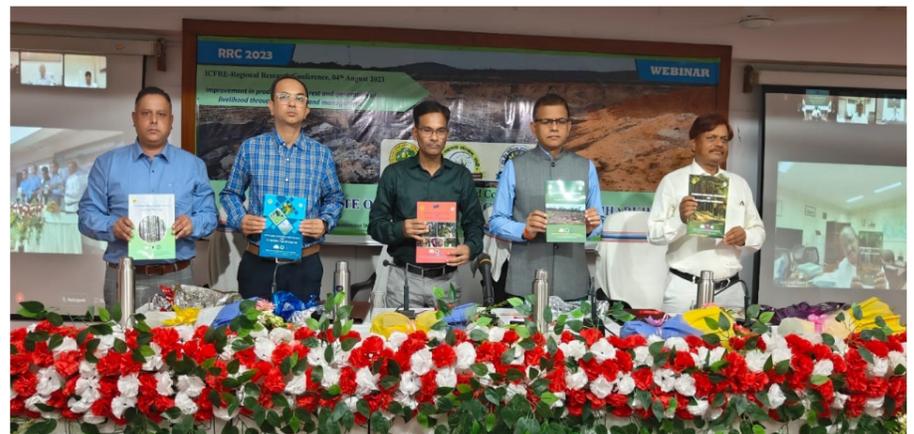
Chief Guest, **Shri Debidutta Biswal**, IFS & PCCF (HoFF), Odisha, mentioned that ICFRE is the apex body to address the research problems in forestry sector and improvement in forest productivity can be achieved by collaborative efforts in the field of genetics, silviculture and environment. He said that forest and non forest activities together can sustain livelihood options and create income generation activities. Other distinguished guests present in the inaugural session also expressed their views, appreciated the objectives of the program and praised the representation from various institutions.

The chief Guest and other dignitaries released five books on SOPs of 30 important tree species of Odisha.

Session I: Status of Forestry Research and Problems and Issues of the State Forest Department

Shri Debidutta Biswal, IFS & PCCF (HoFF), Odisha, chaired and presided over the first technical session and called for challenges to integrate research for the stakeholders, mainly aiming at better livelihood for rural population in forest fringe villages.

Dr. Yogeshwar Mishra, Director & Group Coordinator (Research), ICFRE-IFP presented the research accomplishments of the Institute and set the tone for the conference. He spoke on the expertise, services and infrastructure available in the institute and highlighted the current and upcoming research activities by the institute. This was followed by a presentation by Dr. S. Pattanaik, Group Coordinator (Research), ICFRE-IFB who presented an overview of research activities, expertise and achievements of ICFRE-IFB, Hyderabad. Subsequently, the research requirements were presented/discussed by senior forest officers, representing the State Forest Departments of Jharkhand, West Bengal, Odisha, Bihar and Telangana. Dr. D.K. Saxena, IFS APCCF, Research & Training, SFD, Jharkhand said that research on development of quality planting materials are required for sustainable agroforestry practices. He said that potential of clonal forestry has not been tapped properly and more research is needed to produce QPM



Sh. Piar Chand, IFS, PCCF (Res, Mon. & Dev.), West Bengal said that research project on degraded lands of South Bengal and stabilization of embankment of Sunderbans needs to be carried out. Also Catchment area treatment plan preparation for North Bengal needs to be worked upon.

Sh. Siddharth Tripathi, IFS, CCF(Res), Jharkhand highlighted that 68% of the mined areas can be seen in Jharkhand state and opined that land degradation is a major issue that needs to be tackled and restored for sustainable solutions. Focussing on research needs he opined for disease resistant, short rotation, fast growing planting materials of indigenous species in agroforestry. Dr. Ramamurthy, ACF (Res), SFD, Telangana presented the research needs of Telangana state relating to forest protection, fire management, forest productivity, clonal orchards etc. Shri Swayam Malik, IFS, DCF, Odisha talked about the research needs pertaining to the state of Odisha relating to difficult to propagate species, development of bio fertilizers, invasive species management, climate change and strategies for soil carbon sequestration potential.

Session II: Interactive session with stakeholders (Research Organizations, Universities, Federations, Industries, NGOs & Others)

The second session focussed on theme wise presentations. Dr. H.S. Gupta, IFS (Retd.), Chair of Excellence-Forest Productivity and Livelihood, ICFRE-IFP Ranchi and Dr. Siddharth Tripathi, IFS CCF (Research) Jharkhand, chaired and co-chaired the second technical session, respectively.

Theme: Degraded land management and livelihood/ NTFP

Dr. H.S. Gupta, IFS (Retd.), Chair of Excellence-Forest Productivity and Livelihood, ICFRE-IFP talked on improving productivity and livelihood opportunity through agro-forestry based options. He emphasized that marketing of trees and fixing of MSP of agroforestry produces were the major challenges in adoption of agroforestry models. He also said that land was limiting factor for conducting research trials and sought collaborations from SFDs, SAUs etc. Dr. Sumit Chakravarty, Head, Dept. of Forestry, Uttar Banga Krishi Viswavidyalaya, Coochbehar, West Bengal presented his work on documentation of NTFPs and their Minimum Support Price for livelihood improvement among forest fringe communities of Buxa Tiger Reserve. Shri Sitaraman Nayak, Girijan Co-operative Corporation Ltd., Govt. of Telangana discussed the role of Girijan Co-operative Corporation in NTFP procurement and marketing for livelihood generation. Dr. Pankaj Singh, Scientist-C, ICFRE-IFB, Hyderabad discussed the harvesting potential of NTFPs in Telangana and future strategies to be taken up. Dr. Ruby Patel, Scientist B, ICFRE-IFB, Hyderabad presented the status of degraded land in Telangana and Odisha and their management strategies. Shri Prakash Kumar, Urban Kheti, Ranchi talked on compost that can be used as a sustainable resource for degraded land restoration. He talked about examining the potential of compost to revitalize degraded lands and improve soil health for sustainable agriculture and ecosystem restoration. Dr. M. S. Sai Reddy, Assistant professor, Department of Entomology, Dr. Rajendra Prasad Central Agriculture University, Pusa (Bihar) talked about butterflies being sensitive indicators of environmental changes and their rapid response to degradation making them ideal for studying environmental quality in terrestrial ecosystems.





Theme: Clonal Forestry, Tree Improvement & Conservation of Forest Genetic Resources

Dr. Sharad Tiwari, Scientist-G, ICFRE-IFP, Ranchi presented his talk on modelling and mapping of forests genetic resources. Dr. H.D. Kulkarni, Retd. Vice President, ITC Ltd., Hyderabad discussed in detail about ITC case study on clonal forestry, tree improvement and conservation of forest genetic

resources. Shri Bijoy P. Ratho, Managing Director, J K Paper Mills, Odisha presented the case study and experiences at J K Paper Mills about clonal forestry and livelihood generation. Dr. S. Pattanaik, GCR, ICFRE-IFB, Hyderabad talked in detail about the status of forest genetic resource conservation in Telangana and Odisha. Dr. S. Pattanaik, GCR, IFB, Hyderabad presented the status of forest genetic resources and their conservation in Telangana and Odisha.

Theme: Agroforestry Research/ Alternate land use farming

Dr. Aditya Kumar, Scientist-E, ICFRE-IFP, Ranchi presented his work on productivity enhancement of degraded land through agroforestry practices. Dr. G. Venkatesh, Scientist (Forestry), ICAR-CRIDA, Hyderabad discussed about rainfed agroforestry systems for Telangana State. Dr. Gobinda Chandra Acharya, Principal Scientist (Hort.), C.H.E.S, IHR, Bhubaneswar, Odisha presented his work on horticulture based agroforestry for nutritional security.

Session III: Concluding Session

The concluding session was chaired by Dr. Ratnaker Jauhari, DDG (Research), Indian Council of Forestry Research and Education, Dehradun. He summarized the various aspects of the day's discussion and suggested to work on the themes/ recommendations provided by the concerned stakeholders of the respective states. He further proposed research collaborations with all stakeholders in the context of the work already underway.

The Conference ended with a formal vote of thanks by Shri Anshuman Das, Scientist B to all the dignitaries, Guests, Resource Persons and distinguished participants.

वन उत्पादकता संस्थान में आजीविका पर कार्यशाला

रांची. वन उत्पादकता संस्थान ने जैव विविधता संस्थान, हैदराबाद के सहयोग से शुक्रवार को वन, आजीविका और प्रबंधन विषय पर कार्यशाला का आयोजन किया. इसमें कई अधिकारी वर्चुअल मोड में शामिल हुए. भारतीय अनुसंधान संस्थान, देहरादून के महानिदेशक अरुण सिंह रावत ने वर्चुअल संबोधन में कहा कि संस्थान की ओर से विभिन्न प्रजाति के 69 क्लोन को विकसित किया जाना है. संस्थान के निदेशक डॉ योगेश्वर मिश्रा ने कहा कि परती भूमि विकास जीविकोपार्जन के लिए महत्वपूर्ण है. झारखंड के मुख्य वन संरक्षक (अनुसंधान) सिद्धार्थ त्रिपाठी ने भी विचार रखे. धन्यवाद ज्ञापन उप वन संरक्षक प्रमोद चंद्र लकड़ा ने किया.

भूमि के बेहतर प्रबंधन से होगा वन उत्पादकता में सुधार



खबर मन्त्र संवाददाता

पिस्कानगड़ी। नगड़ी के लालगुटवा स्थित वन उत्पादकता संस्थान और जैव विविधता संस्थान हैदराबाद के सौजन्य से वन की उत्पादकता में सुधार और निम्नीकृत भूमि प्रबंधन के माध्यम से आजीविका का सृजन विषय पर अनुसंधान सम्मेलन का आयोजन किया गया। कार्यक्रम का शुभारम्भ अतिथियों के द्वारा दीप प्रज्वलित कर हुआ। कार्यक्रम का विषय प्रवेश करते निदेशक डॉ योगेश्वर मिश्रा ने कहा परती भूमि में विकास के द्वारा जीविकोपार्जन पर चर्चा की जाएगी। प्रधान मुख्य वन संरक्षक देवीदत्त बिस्वाल ने जीविकोपार्जन पर खुशी जाहिर करते हुए कहा उत्पादकता में सुधार वन भूमि प्रबंधन पर्यावरण वानिकी एवं गैर वानिकी क्षेत्रों की पारिस्थितिकी सुधार आदि कार्यों को जीविकोपार्जन से जोड़कर

रैयत विस्थापित मोर्चा की बैठक में समस्याओं पर चर्चा

पिपरवार। रैयत विस्थापित मोर्चा और सीसीएल प्रबंधन के बीच विभिन्न मांगों को लेकर सीसीएल मुख्यालय दरभंगा हाउस में एक आवश्यक बैठक संपन्न हुई। इस बैठक में सीसीएल के सभी कमांड क्षेत्रों के विस्थापित प्रभावित परेतों की विभिन्न समस्याओं पर विस्तार से चर्चा की गई। बैठक में लम्बित नौकरीएँ मुआवजाएँ रोजगार एनिजी कम्पनियों में 75 प्रतिशत बहालीएँ एक करोड़ तक का टेका कार्य विस्थापितों को देने सहित कई ज्वलंत समस्याओं पर विस्तार से चर्चा की गई।

मॉडल बनाने का आग्रह किया। इन्होंने जैविक खादएँ मछली पालन को बढ़ावा देकर समाज के अंतिम व्यक्ति तक लाभ पहुंचाने पर बल दिया।

आजीविका का सृजन विषय पर अनुसंधान सम्मेलन का आयोजन



आजाद सिपाही संवाददाता

पिस्कानगड़ी। नगड़ी के लालगुटवा स्थित वन उत्पादकता संस्थान और जैव विविधता संस्थान हैदराबाद के सौजन्य से वन की उत्पादकता में सुधार और निम्नीकृत भूमि प्रबंधन के माध्यम से आजीविका का सृजन विषय पर शुक्रवार को अनुसंधान सम्मेलन का आयोजन किया गया। कार्यक्रम का शुभारम्भ अतिथियों ने दीप प्रज्वलित कर किया। कार्यक्रम का विषय प्रवेश करते हुए निदेशक डॉ योगेश्वर मिश्रा ने कहा कि परती भूमि में विकास की मदद से जीविकोपार्जन पर चर्चा की जाएगी। वहीं, प्रधान मुख्य वन संरक्षक देवीदत्त विश्वास ने जीविकोपार्जन पर खुशी जाहिर करते हुए कहा कि उत्पादकता में

सुधार, वन भूमि प्रबंधन, पर्यावरण, वानिकी एवं गैर वानिकी क्षेत्रों की पारिस्थितिकी सुधार आदि कार्यों को जीविकोपार्जन से जोड़कर मॉडल बनाने का आग्रह किया। उन्होंने जैविक खाद, मछली पालन को बढ़ावा देकर समाज के अंतिम व्यक्ति तक लाभ पहुंचाने पर बल दिया। इस अवसर पर संस्थान द्वारा प्रकाशित पुस्तक का विमोचन किया गया। धन्यवाद ज्ञापन भावसे प्रमोद चन्द्र लकड़ा ने किया। सम्मेलन में वानिकी अनुसंधान, देहरादून शिक्षा परिषद के महानिदेशक अरुण सिंह रावत, उपनिदेशक रत्नाकर जौहरी, अंजना सूचिता तिकी सहित संस्थान के अधिकारी और कर्मचारी शामिल हुए।