



INSTITUTE OF FOREST GENETICS AND TREE BREEDING
(Indian Council of Forestry Research and Education)
Coimbatore – 641002

**REGIONAL RESEARCH CONFERENCE**

on

**Bio-fertilizers and Bio-control Agents –
Success, Challenges and Future****15 February 2022, 9.30 am to 3.30 pm**

Tree species being a renewable resource, diverse forest tree species are being raised by forest departments, tree growers and farmers for afforestation programmes, reclamation of problem soils and to meet industry demands. Various products derived from trees are playing an increasingly important role in the economy of the country. Hence, there is widespread interest in increasing the productivity of tree species by various management techniques. One of these is the use of fertilizers. The use of fertilizers in forest production falls into two very distinct categories—namely, in the forest nursery and in the field, such as in plantations and natural stands.

Soil microorganisms like plant growth-promoting rhizobacteria, arbuscular mycorrhizal fungi, and the consortia of other beneficial microbes colonizing the rhizosphere have a tremendous impact on the nutrient uptake capacity of the plants. Biofertilizers can sustain plant growth performance and help in attaining high growth and productivity even in challenging situations like drought, salinity and problem soils.

Various research works in the past have demonstrated that use of bio-fertilizers supplies and enhance the productivity per area in a comparatively short time, consume smaller amounts of energy, reduces contamination of soil and water, increases soil fertility, and encourages antagonism and biological control of phytopathogenic organisms. Improvement and development of biofertilizer market is developing steadily because of the identification of effective technology for the manufacturing and application of biofertilizers.

In this context it is planned to review the diversity of microbial inoculants, efficient biofertilizer and biocontrol production technologies identified, their success, challenges and future with regard to their impacts on forest tree growth and productivity.

Dr. John Prasanth Jacob
*Scientist-G &
Conference Coordinator*

Dr. A. Karthikeyan
*Scientist-F &
Organising Secretary*

Dr. C Kunhikannan
*Director
IFGTB*

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PROGRAMME		
10:00	Welcome Address	Dr. R. Yasodha Scientist-G & Group Co ordinator Research
10:10	Introduction to the Theme	Dr. A. Karthikeyan Scientist-F & Organising Secretary
10:20	Overview of the Webinar	Dr. C. Kunhikannan Director, IFGTB, Coimbatore
10:30	Inaugural Address	Shri Arun Singh Rawat, IFS Director General, ICFRE, Dehradun
11:15	Significant research achievements in Bio-fertilizers and Bio-control Agents at IFGTB	Dr. A. Karthikeyan Scientist-F & Organising Secretary
11:30	PHOTO SESSION & TEA BREAK	
11:40	Overview of research & development of Biofertilizer in Andra Pradesh and Telangana	Dr. Ratnaker Jauhari, IFS Director, IFB, Hyderabad
11:50	Overview of research & development of Biofertilizer in Kerala	S . Santhosh Kumar, DCF (Research), Kerala Forest Department
12:00	Root endophyte- A key player in sustainable forestry	Prof. T. Muthukumar Bharathiyar University, Coimbatore
12:30	Mycorrhizae-Wonders of nature	Dr. A. Muthukumar, Scientist E, IWST, Bangalore
13:00	Eco friendly drought mitigating microbes	Prof. V. Gomathi TNAU, Coimbatore
14:00	LUNCH BREAK	
14:30	Frankia mutants defective in nitrogen fixation and vesicle formation	Ken-ichi-Kucho Kagoshima University, Japan
15:00	Biocontrolling of bacteria wilt disease in Casuarina	Dr. P. Chezhan TNPL, Karur
	Role of biofertilizers in forest nurseries	Mr. S. Puviyarasan Range officer, Biofertilizer Production Unit, Tamilnadu Forest Department.
15:30	Vote of Thanks	Dr. John Prasanth Jacob Scientist G & Conference Co ordinator
TEA		

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For further information contact

Dr. A Karthikeyan, Scientist-F

Email id : karthika@icfre.org

91-0422-2484164 (O); +91 9443374119 (Mobile)