

**One day seminar on
“CRISPR for prosperous Forestry: Scope and Challenges”
&
“Opportunities for new thrust area in Bioprospecting of Forest Resources”
on 7th February, 2020**

Venue: Auditorium, IFGTB, Coimbatore

Institute of Forest Genetics and Tree Breeding, Coimbatore, has organised a seminar on CRISPR for prosperous forestry on 7th February, 2020 at Forest campus, R. S. Puram, Coimbatore. Dr. S. Murugesan, Director of the Institute inaugurated the seminar and released the proceeding of the seminar. In his inaugural address, he informed that CRISPR is one of the latest and modern genome editing tools in biotechnology. It has various applications such as improvement of crops to be more nutritious, to correct genetic disorders, develop new antibiotic and antiviral proteins, alter species, resistance to malaria, HIV, etc.

He also requested scientists to explore the opportunities of CRISPR in forestry. Dr. Sreshty Tavaa, Rice genomics, TIGS, GKVK, Bangalore; Dr. Kokiladevi, CPMBB, TNAU, Coimbatore; Dr. M. Arun, Biotechnology, Bharathiar University, Coimbatore; Dr. S. Ponnusamy, Chemistry Department, Govt. arts College, Coimbatore; Dr. U. P Senthilkumar, Orchid Pharma Ltd, Chennai; and Dr. N. Ponpandian, Nano Science and Technology, Bharathiar University, Coimbatore were deliberated in detail on the subject and identified the following research gaps and opportunities for CRISPR and bioprospecting in forestry.

Research Gaps in CRISPR & Bioprospecting

- Tree Breeding & crop improvement
- Tolerant to abiotic stresses
- Resistance to pest and diseases
- Weed management/Herbicide resistant crops
- Climate change impacts
- Fighting solid waste/solid waste management
- Increase nutritional traits
- CRISPR and Bioprospecting.

All scientists, officers, technical staff members, research scholars, project students were participated the seminar.

Dr. N. Senthilkumar, Scientist & Organising Secretary, IFGTB, thanked all the experts and participants of the seminar.



Book Released on CRISPR



Participants of the Seminar



Inaugural address by the Director Proceeding of the seminar



Participants of the seminar



Dr. Sreshty Tavaa delivered a talk on CRISPR



Dr. N. Ponpandian delivered a talk on Nano Science and Technology



Experts on the stage