

## **Tropical Forest Research Institute, Jabalpur**

### **Institute level monthly webinar held on 06.01.2021**

Institute organized a monthly webinar on 06.01.2021 wherein Dr. Pramod Kumar, Scientist-C of Genetics and Tree Improvement Division delivered a talk on “Quality planting material through stock plant manipulation”. Webinar was chaired by Dr. G. Rajeshwar Rao, Director of the Institute. At the outset Dr. S. Saravanan, Head, Extension division in his introductory remark introduced the speaker and the subject in brief. Dr. Pramod Kumar presented his views and experiences in details. His presentation was categorized on tree maturation and aging, stock plant manipulation, physiology of adventitious rooting and case study on *Dalbergia latifolia* a difficult-to-root species. In his presentation he emphasized on the constraints of poor rooting in hardwood species, decline in rooting due to phase change from vegetative to reproductive and decline in success due to ontogenetic and physiological aging. He also explained physiology of adventitious rooting. In his presentation Dr. Pramod Kumar elaborately explained his case study on *Dalbergia latifolia* which is having “vulnerable” status and rare plantations. He explained production of rooted plants from the juvenile cuttings after hedging of stock seedling progeny of selected superior trees. He also presented comparative field performance of seedlings and cutting’s raised plants of *Dalbergia latifolia*. Cuttings raised plants are performing superior to the seedlings thus expecting higher productivity. He concluded with future research need for the development of protocols for more species which are difficult-to-root, multi-location trials of rooted plants of hardwood species and intensive management system at initial years of plantation establishment. Dr. S. Saravanan, Scientist-F queried on seasons’ effect on rooting and possibility of using vermiculite as rooting substratum which were satisfactorily answered. Dr. Fatima Shirin, Scientist-F suggested few more hardwood species may be taken up in future for working on the same line. About 40 staff members including Scientists, Technical officials, project staff and research scholars were attended the webinar. Webinar was ended with formal vote of thanks to the chair and all participants by Dr. S. Saravanan.

# Glimpses of Webinar organized on 06/01/2021

