

PROJECT PROFILE

Project Title: Identification of secondary development specific miRNAs and polymorphism in their target sites for cataloging new molecular markers for wood formation in *Eucalyptus tereticornis*.

Principal Investigator: Dr. Modhumita Dasgupta, Scientist G

Co Investigators: Dr. V. Sivakumar, Scientist F
Dr. A. Balasubramanian, RO-I, Co-PI

Duration: 3 Years (2019-2022)

Objectives:

1. Identification of secondary development specific miRNAs in contrasting phenotypes of *E. tereticornis*.
2. Target prediction of potential miRNA sequences and cataloging of post transcriptionally regulated genes governing secondary development.
3. Experimental validation of miRNA/mRNA targets.
4. Mapping of polymorphism in miRNA cleavage sites of candidate target genes in *E. tereticornis*.

Funding Agency: MoEF & CC (CAMPA)

Total Budget: Rs. 18.60 lakhs