Project Profile

1. **(Project Acronym) &Title:** FASTWOOD & Genomic selection for superior heartwood formation in two commercial timber species teak (*Tectona grandis*) and oak (*Quercus robur*)

2. **Funding Agency:** Department of Biotechnology, Govt. of India

3. **Sanctioned (Revised, *if applicable*) Cost of the Project:** Rs. 130.3112 Lakhs

4. **Project Start Date & Duration:** 01.04.2022 & 4 years

5. **Name of the Project Lead(s)/Coordinator(s):**

Principal Investigator:	Dr. R. Yasodha, Scientist G, Division of Plant Biotechnology, ICFRE-Institute of Forest Genetics & Tree Breeding (ICFRE-IFGTB), Coimbatore 641 002, INDIA
	Prof. Erik Dahl Kjær Department of Geosciences and Natural Resource Management, University of Copenhagen, Denmark
Co-PI/Co-Investigators:	Dr. V. Sivakumar Scientist G, Division of Genetics and Tree Improvement ICFRE-IFGTB Coimbatore 641 002, INDIA
	Dr. Ani Anna Elias Ramalingaswami Fellow, ICFRE-IFGTB, Coimbatore 641 002, INDIA

6. **Objectives of the Project:**

Objective 1: Precise and accurate phenotyping of wood (heartwood quantity and quality) using spectroscopy for efficient GS analysis

Objective 2: Genomic characterization of teak and oak genotypes and development of customized SNP microarray sets for genotyping

Objective 3: Identification of effective trait-associated markers and implementation of GS to identify individuals with superior wood properties