

1. **Project title** : **DUS Centre of *Melia dubia***
2. **Name of the Project investigator** : Dr. Rekha R. Warriar, Scientist-G
3. **Name of Funding Agency** : PPV&FRA
4. **Date of start & end; Total duration** : 01.08.2020;
5. **Total Budget** : 7.90 Lakhs

## 6. Objectives

- a. To establish and maintain DUS centre for *Melia dubia*.
- b. To collect example varieties, propagate and establish germplasm bank at DUS centre
- c. To prepare plan for DUS testing

## 7. Overall progress since the implementation of the project:

A DUS Centre was established in Panampally. Recorded descriptors in different clones available with IFGTB both in nursery and at the DUS centre at the end of 6, 9 and 12 months. Stomatography was done to develop stomatal descriptors for the different clones **and recorded** descriptors on juvenile **characteristics** mainly stomata in the Vegetative Propagation Complex and consolidated. Registered a *Melia dubia* farmer's variety GK 10 at PPV & FRA, Gol, New Delhi under Extant (Variety of Common Knowledge) category for a protection period of 18 years (Registration No. REG/2024/0487). The centres at Thalamalai and Panampally Research Station are being maintained.

## 8. Publications made;

1. Rekha R Warriar. 2019. DUS test guidelines of *Melia dubia* Cav. Plant variety Journal of India 12(4): 106-140.
2. Samji, A., Eashwarlal, K., Warriar, K. C. S., Kumar, S., Ramasamy, T., Shanthi, K., & Warriar, R. R. (2025). Divergence and genetic parameters between *Melia dubia* genotypes based on morpho-anatomical stomatal descriptors. Plant Biosystems - An International Journal Dealing with All Aspects of Plant Biology, 1–9. <https://doi.org/10.1080/11263504.2025.2466583>.