Title of AICRP	Genetic improvement and value addition of *Madhuca longifolia.*
Project Duration	5 Years (2020-2025)
Name & Designation of PI(s)	Dr. D. Thangamani, Scientist E
Name & Designation of Co-PI(s)/Associate (s)	Ms. S. Lalitha Chief Technical Officer
Budget	Rs. 50.00
Project Objectives: (*Indicate midterm revision, if any*)	1.To select and characterize Germplasm using morphological and physico - chemical markers. 2. Phytochemical analysis of plant parts. 3. To produce quality planting material from selected phenotypically superior trees.

Progress

Survey has been carried out in local areas of Coimbatore District, Madurai District, Thiruvannamalai District, Salem District, Tiruppur District Dharmapuri District, Dindigul district, Theni district, Viruthunagar district, Tirunelveli district, Kanyakumari district, Guddalore district, Erode district, Namakkal district, Sivaganga district, Krishnagiri district and Ramanathapuram district (17 districts) of Tamil Nadu and two locations in (Pathanamthitta district) Kerala. Totally 114 Phenotypically superior trees were selected from different districts of Tamil Nadu and Kerala. Sugar analysis has been carried out in flowers collected from 70 superior trees from different locations of Tamil Nadu and oil estimation has been carried out in the seed collected from 55 superior trees from different locations. Regeneration studies were carried out in Sundarapuri, Pollachi and Anamalai, Pollachi of Coimbatore district, Thurinchapuram of Thiruvannamalai district, Kokkulam of Madurai district, Dharmapuri district and Ramanathapuram district. Frequency, Density and Abundance of the species has been calculated. Midrib folder infestation, leaf spot disease and blight disease was observed in seedlings of *Madhuca longifolia* in nursery. Meta data has been deposited in NCBI and through SSR primers genetic diversity analysis performed. Indigenous Traditional Knowledge has been collected and documented through photos and videos.SSO and VMG has been established.