

PROJECT PROFILE

Project Title: Cytogenetic analysis of selected native tree species

Principle Investigator: Dr. R. Yasodha

Project Associates: Dr. A. Shanthi and Dr. Rekha Warriar

Start and Completion dates : 2013-2016

Objectives:

1. Cytogenetical evaluation of selected native tree species
2. Determination of genome size and ploidy levels in the selected tree species
3. Identification and isolation of novel cytotypes if any for further exploration.

Funding Agency: Indian Council of Forestry Research and Education (ICFRE)

Summary:

- Attempts were made to establish basic facilities for karyomorphological studies
- The chromosome number in *Ailanthus triphysa* was estimated as $2n=62$.
- Standardization of methods for genome size estimation in *Ailanthus excelsa* and *Tectona grandis* were carried out using flow cytometry.