Project Profile

Project Code:	NFRP 96
Project Title:	Study on reproductive biology and breeding systems in Ailanthus excelsa and Ailanthus triphysa
Principal investigators	D. Rajasugunasekar, Scientist-G
CO-PI:	Dr. B. Nagarajan. Scientist G Dr. A. Mayavel. Scientist G
Funding Agency	ICFRE
Date of commencement of the project:	01-04-2010
Date of completion of the project:	31-03-2014
Budget Outlay	Rs. 715000

Objectives:

1. Study the reproductive biology and breeding systems of Ailanthus excelsa and Ailanthus triphysa for hybridization.
2. To study the vegetative, reproductive and phenological variations.
3. To understand pollination biology and breeding system.
4. To comprehend levels of compatibility and to perform inter specific control pollination

Summary:

Ailanthus is the most preferred species of the farmers especially small land holders. Any improvement in productivity of Ailanthus will result in increased income of farmers and can meet the raw material supply to the safety matches industries. Hence the project has been proposed to explore the possibilities of hybridization of the most important multi-purposes indigenous tree species. Accordingly understanding of floral structure, phenology, pollination biology and breeding systems of industrially importantspecies o Ailanthus trifphysa and widely acclimatized Ailanthus excelsa are has been attempted and It requires further study to embark on a large scale control crossing programme.As aoutcome of the project two ha germplasm assemblage has been established in two locations. i.e. Panampalli field research station and ambur (Edavanna range) in Kerala state.