

TRAINING ON TREE BORNE OILSEEDS FOR ECONOMIC AND ENVIRONMENTAL BENEFITS

Course Co-ordinator: Dr.R.Anandalakshmi, Scientist-E

Duration :Two days (5.3.2018 to 6.3.2018)

Venue : Institute of Forest Genetics and Tree Breeding
Forest Campus, Cowley Brown Road, RS Puram
Coimbatore- 641002

Beneficiary: Tree growing farmers, Nursery entrepreneurs, NGOs and Foresters

Introduction



Tree Borne Oilseeds (TBO) which are rich sources of oil are a boon to the society to meet various requirements like fuel, food and medicine. However most of the TBO genetic resources of the country are under-utilized due to lack of awareness and non-availability of appropriate seed handling, nursery, cultivation and management practices. TBOs can be cultivated as block plantations, bund plantations, intercropped with agricultural crops in agroforestry mode so that the farming community can be benefitted in addition to income from agriculture. Tree Borne Oilseeds well suited to an environment and meeting the needs of local people and/or industrial needs of the area will encourage its adoption under cultivation and sustainable utilization.

The traditional use of TBO has been mainly for manufacture of soap, lighting purposes, besides use in the paints and varnishes and medicinal purposes. The recent use of TBO gaining popularity is their use in biodiesel production, in view of the problems associated with the use of fossil fuels, leading to global warming and climate change. Pongamia, Calophyllum, Jatropha are some of the TBOs that find application for biodiesel production. TBOs may be used for the production of biodiesel through trans-esterification, a process by which alcohol is added to vegetable oil in the presence of a catalyst. The main by-product of this process is glycerine, which also has diverse commercial uses. Alternatively, extracted and filtered Pure Plant oil (PPO) can be used directly as a fuel in suitable diesel engines without undergoing the trans-esterification process. Similarly, the use of trans-esterification could be by-passed, in the case of virgin oil or PPO production for domestic use, in modified engines and cooking stoves. The main reason to use PPO instead of converting it to biodiesel is the costs involved in the trans-esterification process and it is green fuel with less emission of polluting gases. Hence this training aims to popularise TBOs like Neem, Calophyllum and Pongamia among stakeholders for cultivation and better utilisation for economic and environmental benefits in addition to basic details on seed sources, tree improvement, seed handling, nursery raising and insect/pest management.

Please Note: 30 trainees, will be selected on first come first basis. No training fees. Accommodation charges for the IFGTB hostel has to be borne by the trainee (Rs.350/- per head/day for single accommodation and Rs.175/head/day for twin sharing). Requirement of accommodation has to be informed earlier. Breakfast, working lunch and tea alone (no dinner) will be provided for two days of training.

Address of the IFGTB hostel for accommodation,

VANAMALAR,

Thadagam Road, Opp. To Indian Oil petrol bunk and near Kamatchiamman temple RS Puram,Coimbatore-2

Contact Dr.R.Anandalakshmi, Scientist-E, IFGTB, the Course Co-ordinator for details. Confirm participation through,

E mail: anandalakshmi11@gmail.com or lakshmir@icfre.org

Contact number: 09345569036, 09487169036, Land line: 0422-2484166

Contacts for accommodation: Mr.Anees, 09489263537, Suresh Kumar 9600302353, Anandha Prabhakaran 9443765003.

Last day for confirmation: 1.3.2018