

Project title	Insecticidal potential and Biological activity of <i>Semicarpus anacardium</i> against Defoliators
Principal Investigator	Dr. S. Murugesan
Co-Investigators	Dr. N. Senthilkumar
Project duration (Start & End)	3 years: 2015-2018
Objectives	<ul style="list-style-type: none"> • Evaluation of the inhibitory potency of <i>Semecarpus anacardium</i> extracts in comparison with synthetic pesticides/fungicides against target pests and diseases of forestry tree species. • Chemical investigation of the major compounds of the extracts, which make easy to investigate Active Principles. • To develop suitable pre-formulations for application at nursery level in combination with commercially available oils like neem/pongam.
Summary/Achievements	Natural distribution of <i>Semecarpus anacardium</i> in Southern Western Ghats has been surveyed, collected seeds from the identified sources, processed, extraction was made and identified bioactive compounds in terms of insecticidal activity. Anacardic acid and resorcinol have been isolated and identified from seed oil of <i>Semecarpus anacardium</i> and were found to be effective against insect Defoliators.
Funding agency	MoEF&CC