

MEDICINAL PLANTS AND *EUCALYPTUS CAMALDULENSIS* BASED AGROFORESTRY SYSTEM TO ENHANCE THE PRODUCTIVITY AND TO COMBAT THE GLOBAL WARMING

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ABSTRACT

Medicinal plants based agro forestry systems can play an important role through which we can cultivate tree crops as well as medicinal plants on same piece of land and it's an additional income to farmers. It can also reduce pressure on natural forests. The growth parameters of tree species and medicinal plants were recorded in Cuddalore, Jayankondam, Sendurai and Sivagangai. The medicinal plants of *D. hamiltonii*, *H. indicus* and *G. superba* had the suitability under *E.camaldulensis*. The trees and medicinal plants species in Agro - ecosystems have more significance owing to various tangible and in tangible benefit. Thus agroforestry is an important tool for balancing biodiversity conservation, enhance the productivity and mitigate the global warming.

KEYWORDS: Medicinal Plants, *E.camaldulensis*, Agroforestry, Global Warming