

Indian J. Trop. Biodiv. **21(1&2)** : 121-124 (2013)
© Society for Promotion of Tropical Biodiversity, Jabalpur

NEW TECHNIQUE FOR CLONAL PROPAGATION OF *AILANTHUS EXCELSA*

**D.RAJASUGUNASEKAR¹, V.K.W. BACHPAI, E.MENASON, L. MANIMUTHU
AND B. GURUDEV SINGH**

*Genetics and Tree Breeding Division, Institute of Forest Genetics and Tree Breeding,
R.S. Puram, Coimbatore -641002 (TN), India*

¹*Corresponding author: sekardrs@icfre.org*

ABSTRACT: *Ailanthus excelsa* "Tree of Heaven" is known for its importance in match wood industry apart from its medicinal properties. Clonal propagation technique has been standardized through juvenile coppice shoots for mass multiplication of phenotypically superior trees. Various concentration of Indole Butyric Acid (IBA) was tried for adventitious rooting and found 2000ppm IBA was suitable for rooting in *Ailanthus excelsa*. This technique will be useful for mass multiplication of superior genotype and establishing clonal plantation and thereby augment productivity.

Key words: *Ailanthus excelsa, clonal propagation, superior trees, coppice shoots, rooting.*