Propagation of an endangered species, *Celastrus paniculata* by hardwood cuttings

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ABSTRACT

The experiment was conducted at Medicinal and Aromatic Plants Unit, Department of Horticulture, University of Agricultural Sciences, Dharwad during Jan-May 2009 to study the effect of different growth regulators on rooting of an endangered medicinal plant species, *Celastrus paniculata* cuttings. The various root parameters were recorded significantly higher in the cuttings treated with growth regulators as compared to control. The higher rooting percentage (72.6) was recorded in the cuttings treated with IBA 2000 ppm against control (54). The field establishment percentage was also maximum (92.5) in the same treatment followed by the cuttings treated with Quic Root for one minute. Quic Root treatment for one minute was found to be the second best with respect to all root and shoot parameters next to IBA 2000 ppm.

Key words: Endangered species, *Celastrus paniculata*, Propagation, Stem cuttings, Indole butyric acid