



Oxygen Productivity in Different Tree Species

M.V. Mokashi, S.M. Ghatanatti and S.M. Mutanal

*AICRP on Agroforestry
University of Agricultural Sciences, Dharwad-580 005, Karnataka
E-mail: mokashim@uasd.in*

Abstract: The assessment of biomass production, carbon sequestration and oxygen production was assessed in selected nine multipurpose tree species planted on degraded land of Dharwad, Karnataka. The species were planted at 4 x 4 m spacing in randomized block design with three replications. The carbon sequestration was worked out to the total biomass and net oxygen production by trees was calculated based on the amount of oxygen produced during photosynthesis minus the amount of oxygen consumed during plant respiration. Among the tree species evaluated, the biomass, carbon sequestration and oxygen production were significantly higher in *Eucalyptus tereticornis* followed by *Albizia lebbbeck* and *Anogeissus latifolia* when compared to other tree species.

Keywords: Environmental stability, Human health, Oxygen production, Carbon sequestration
