

221. **Dhyani, S.K., Pratap Narain and Singh, R.K. 1990.** Studies on root distribution of five multi-purpose tree species in Doon Valley, India. *Agroforestry Systems*, Netherlands. 12:149-161.

Observations on the growth performance, rooting behaviour and distribution of fine roots of five tree species viz. *Bauhinia purpurea*, *Grewia optiva*, *Eucalyptus tereticornis*, *Leucaena leucocephala* and *Ougeinia oojeinensis* (Family: Papilionaceae) are presented. The study indicates that bulk of the roots of the five tree species are found near the surface, but observation on soil moisture and nutrient content does not indicate variation under the tree canopies and in open, hence there may not be root competition in initial years of plantation.