

# Diversity, Distribution Pattern, Nativity and Economic Potential of Tree Species in Tirthan Wildlife Sanctuary, District Kullu, Himachal Pradesh

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**Abstract**—*Tree diversity in Tirthan Wildlife Sanctuary of Himachal Pradesh was studied during the year March, 2008-September, 2010. Diversity assessment of tree is important for in-situ conservation and deriving diversified uses of valuable flora on a sustainable basis. In the present study, 43 species of trees belonging to 33 genera and 20 families have been reported. Abiespindrow is the most dominated genera in the area, followed by Taxusbaccata, Piceasmithiana and Quercussemecarpifolia. An assessment of economic potential of the trees has also been made based on the first hand information generated from local inhabitants. The present study deals with several plant species and suggests that certain steps should be taken immediately under a well-planned strategy to conserve the rich tree diversity of study area. The present investigation is of special significance and could help to conserve the loss of tree diversity over long period.*

**Keywords:** *Tree diversity, conservation, Tirthan wildlife sanctuary, Himachal Pradesh.*