TRADITIONAL AGROFORESTRY SYSTEMS IN GARHWAL HIMALAYA

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Abstract: The study was carried out for documentation of agrobiodiversity in traditional agroforestry systems in Garhwal Himalaya, Uttarakhand. A total of nine villages were taken for the study from the different geographical regions and were categorized into three different elevation ranges. The predominant agroforestry systems were found viz. agrisilviculture, agrisilvopastoral and silvipasture system. In agrisilviculture system total 30 species were documented. In agrisilvopastural system (home garden) total 53 species were documented among them Trichosanthes dioica, Mangifera indica, Vitis vinifera, Emblica officinalis, Carica papaya, Pomeus amygdalus, Annona squamosa, Annona reticulate and Artocarpus heterophyllus were newly documented species. In silvipasture system about 27 species of tree, shrub and grass species are documented with livestock unit. In three agroforestry systems some new species were documented due to adaption of changing climate and different traditional farming practices.

Keywords: Agroforestry, Agrisilviculture, Homegarden, Silvipasture

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