



Pattern of Floristics and Biodiversity of Angiosperms of Purna Wildlife Sanctuary, Mahal, Gujarat

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Abstract: The present study illustrates the floristic and plant biodiversity resources of Purna Wildlife Sanctuary, Mahal, Dang district, Gujarat during the period of 2010-2013. A total 70 plant species were recorded which were represented by 46 families and 64 genera. Out of 70 species, 46 tree species, 22 herbs and 2 orchids. The maximum IVI was recorded for *Tectona grandis* (44.532) and followed by *Terminalia tomentosa*, *Sterculia urens*. Among the herbs species, the highest Shannon-Wiener index was for *Nervilia aragoana* (0.197). The present quantitative checklist indicates the potential plant resources of the range which can be used for future biodiversity inventories and species conservation.

Keywords: Phytosociological, Species richness, IVI, Shannon's diversity index, Purna Wildlife Sanctuary, Mahal, Gujarat
