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## **TREE LAYER ANALYSIS AND REGENERATION IN TROPICAL DRY DECIDUOUS FOREST OF HASTINAPUR**

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**ABSTRACT:** The tree layer analysis was carried out in a tropical dry deciduous forest of Hastinapur. Trees of the present study sites showed effects of anthropogenic disturbances. Highly disturbed site-1 showed low tree density while least disturbed site-3 showed high tree density and good regeneration pattern. The most characteristic feature of the forest is dominance of xerophytic species and open forest canopy due to disturbances. Overgrazing and other biotic factors are making the area poor both in nutrient and top soil, which will eventually result in the desertification of Hastinapur in the long run.

**Key words :** *d-d curves, Diversity, Dominance, IVI, Phytosociology, Regeneration*