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TREE SPECIES DIVERSITY IN FOREST COMMUNITIES OF PENCH TIGER RESERVE SEONI

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ABSTRACT : Tree species diversity of Pench Tiger Reserve constituting Pench National Park and the Pench Sanctuary, located in central India was studied. Among the ten tree communities a total of 77 tree species, belonging to 58 genera and 33 families were recorded. The *Tectona grandis* community was the most dominant represented by 68 species belonging to 45 genera and 32 families. The total density of tree species varied among different communities and ranged from 543 trees ha⁻¹ in *Anogeissus latifolia* dominated community to 806 trees ha⁻¹ in *Syzygium cumini* dominated community. The maximum similarity between communities was found between the *Anogeissus latifolia* and *Terminalia tomentosa* dominant communities.

Key words : *Forest Community, Phytosociology, Species Diversity, Tiger Reserve*