

Avifaunal Biversity and Abundance in Mahakal Institute of Technology Campus, Ujjain (M.P.) India

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Abstract: *Avian fauna is incredibly important, playing crucial roles in maintaining ecological balance, supporting human activities, and contributing to cultural and aesthetic values. The study was conducted over a period of 12 months from July 2024 to June 2025. The bird species were recorded using point counts and line transects method where ever possible for studying avian diversity. A total of 59 species belonging to 34 families and 12 orders were recorded during the study period. Least concern were recorded 98% and 2% were endangered. A total of 9% species accounted for residential migratory. Diversity and dominance of avian species were seasonally calculated during the course of study which were $H=3.468$ & $D=.9634$, $H=3.634$ & $D=.9679$ and $H=3.5436$ & $D=.9633$ in monsoon, winter and summer respectively. This study provides baseline data for monitoring the avifauna in the institute campus and demonstrates the importance of campus in bird conservation.*

Keywords: Avifauna, diversity, Diversity, Dominance, Monsoon, winter summer

