

## Malacofaunal distribution, abundance and diversity of the Nakana Lake, Dhule (MS) India

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**ABSTRACT:**

Freshwater Molluscs distribution and diversity status of Nakana Lake, Dhule, were studied during June 2013 to May 2014. The samples were collected at every fortnight from two sites. A total of 13 species were reported, out of which 10 species were Gastropods and three species were Pelecypods; those belonged to four orders, 10 families and 12 genera. The abundance of molluscs was also studied. The average number of animals were indicated per season: i.e. monsoon, winter and summer. Maximum species were collected in the summer season at both the sites. Molluscan diversity were calculated by the various diversity indices such as Shannon-Wiener diversity index (H), Simpson's Dominance index (D), Simpson's index of diversity (I-D), Simpson's Evenness(E) and Pielou's Evenness index (J).

**Keywords:**

Molluscan diversity, Seasonal variations, Abundance, Biological Indices.