

PP-04

A Study on The Diversity and Community Structure of Freshwater Zooplankton in Moti Lake, Motihari, India

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Zooplankton is crucial for the food chain and a water quality indicator in aquatic ecosystems. The study was conducted to explore the zooplankton composition and abundance in freshwater “Moti Lake”, Bihar. During the present investigation, the zooplankton diversity of Moti Lake has been studied. Seasonal variation of zooplankton populations was also assessed.

The zooplankton population was found to be maximum during summer and minimum during the winter. A total of 45 Species of zooplankton were recorded, which included Rotifers (21 spp.), Copepods (13 spp.), Cladocera (7 spp.) and Ostracoda (4 spp.). The Shannon Weiner index results revealed that the Lake's ecological status is moderately polluted.

Zooplanktons

