

# Seasonal Variation of Phytoplankton Diversity in the Fresh Water Body of Atpadi Lake, Maharashtra

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**Abstract:** Studies on monthly variations of phytoplanktons in a fresh water body of Atpadi lake Atpadi, Maharashtra were carried out from Feb. 2018 to Jan. 2020. The phytoplanktons in this aquatic body were represented by Bacillariophyceae, Chlorophyceae, Euglenophyceae and Cyanophyceae. The values of percentage composition of each group of phytoplankton indicated that Chlorophyceae (30.43%) formed largest group of phytoplanktons followed by Bacillariophyceae (26.08%), Cyanophyceae (26.08%) and Euglenophyceae (17.39%). Maximum density of phytoplankton was reported during summer and minimum during monsoon season.

**Keywords:** Phytoplankton, Bacillariophyceae, Chlorophyceae, Euglenophyceae, Cyanophyceae, etc.

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