

AQUATIC ZOO FAUNA FROM HARSOOL LAKE DIST: AURANGABAD

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ABSTRACT

The study of Zooplankton is important to find out productivity of lake for pisciculture. There are large numbers of animals which are economically important for nature as well as human being. The investigation carried out for seasonal changes and their impact on zooplankton. The result showed that Rotifers were dominant in all seasons. The detail of results and analysis discuss in text.

Keywords: Seasonal impact, Harsool Lake

INTRODUCTION

The fish population of our aquatic system plays an important role in the economy. There are large numbers of living aquatic animals, which are significant for nature as well as human being for their using as food. Harsool Lake is present in Harsool area of Aurangabad which is important for fisheries and irrigation purpose. Since plankton data of this reservoir helps in fishery research and also beneficial for the fisherman for economically important aquatic animals and also for the water quality improvement.

MATERIAL AND METHODS

The zooplanktons are collected in the morning using plankton net. The size of plankton net is 30mm. Zooplankton were preserved in 4% formalin. Zooplanktons are identified as per guidelines given by Ward and Whiple (1958)

VALUES OF ZOOPLANKTONS STUDY

Zooplanktons	Rainy season	Winter season	Summer season	Total
Rotifers	35	44	65	144
Ostrocoderma	39	28	11	83
Copepods	25	34	30	89
Cladocera	23	30	25	78

RESULTS AND DISCUSSION

The population diversity shows the Rotifers were dominant all seasons. The data indicates that light intensity play important role in population of Rotifers. In summer seasons water is clear and helps in increase the population.

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