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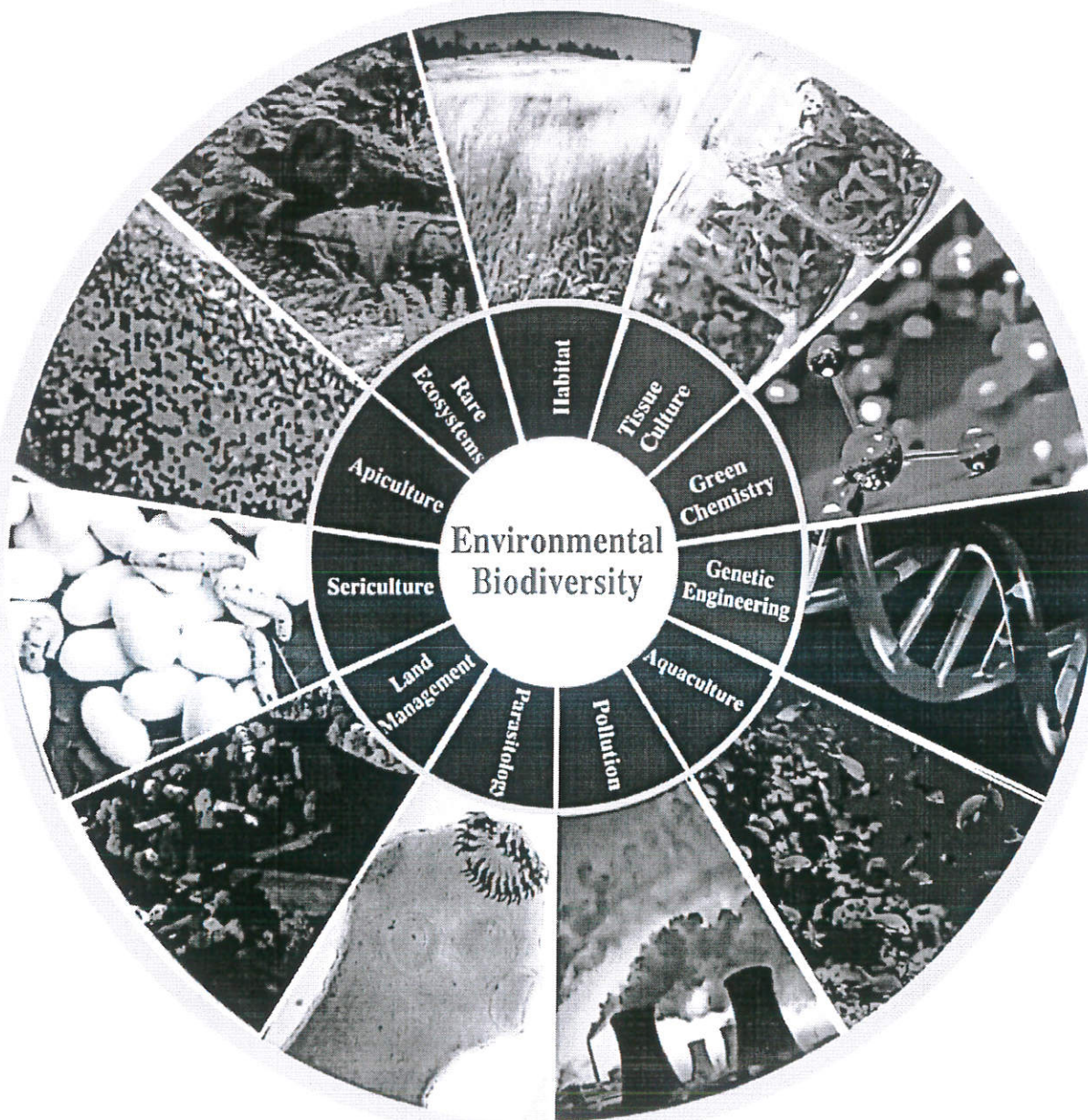
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BIO-DIVERSITY OF ZOOPLANKTON IN JEWALI TANK, DIST.OSMANABAD (M.S.)
INDIA.

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ABSTRACT

The present paper deals with the study of Biodiversity of zooplankton in Jewali tank, JewaliDist-Osmanabad (M.S.) India. The work was carried out during the year 2018 (January to Dec.). Total 17 species belonging to 4 different groups were abundant in the tank under different conditions. It includes Rotifera (06), Cladocera (5), Copepoda (04) and Ostracoda (02), Showing the richness of Zooplankton in the tank. During the Summer, the Zooplanks were abundantly found

Table – I

Figure – 00

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Keywords- Biodiversity of Zooplankton – Jewali tank – Dist.Osmanabad.

INTRODUCTION

Zooplanktons are important in freshwater ecosystem as they indirectly convert the food energy due to their role as preys of economically important fishes zooplanktons were presented by rotifera, Cladocera, Copepoda and Ostracoda. Among zooplanktons, rotifera are dominating followed by cladocera, copepod and ostracoda. Zooplanktons are identified upto species level 1,6,8,10. There is no information available about the zooplanktons of Jewali tank, Jewali.

MATERIAL AND METHODS

Jewali tank is located at JewaliDist-Osmanabad, distance 10 Km from TalukaLoharaDist-Osmanabad, Jewali tank is on the riverJewali. Zooplanktons samples were collected by standard plankton net over an adequate distance. Samples were preserved in 4% formalin. Zooplankton were identified following the taxonomic keys 1-3,5,7.

RESULTS AND DISCUSSION

During the period of investigation following 17 zooplankton species belonging to Rotifera (06), Cladocera (5), Copepoda (04), Ostracoda (2) were recorded.

Table No.01 – Bio-diversity of Zooplanktons of Jewali tank, Jewali. Dist. Osmanabad.

Sr.No.	Group	Species
1	Rotifera	1. Kerattelatropica 2. KerattelaCochlearis 3. Branchiousquadridentatus 4. Filliniaterminalis 5. Fillinialongiset 6. Kerattelaforticula
2	Cladocera	1. Moniaaffinis 2. Bosmina sp.

		3. <i>Daphnia carinata</i> 4. <i>Chydorussphaericus</i> 5. <i>Daphinaosomesarsi</i>
3	Copepoda	1. <i>Phyllodiaptomusblanci</i> 2. <i>Cyclopviridis</i> (Jurine) 3. <i>Cyclopcolor</i> (Sars) 4. <i>Mesocyclopsleuckarti</i> (claus)
4	Ostracoda	1. <i>Cypris</i> sp. 2. <i>Cycloocyprisglobosa</i>



During present investigation, Rotifers were represented by six species. Rotifers were found with high density in the February and April where as low density during the rainy and winter season. Cladocerans were presented by five species. The maximum cladoceran population was recorded during April minimum during November copepods were dominated by cyclop sp. Population was highest during summer months:

Ostracods were represented by two species during the investigation period, which are dominated during summer months.

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