Abstract

Introduction

Zooplankton in water are as excellent indicators of the health of aquatic ecosystems. Because they are very sensitive to changes in environmental factors. These creatures are the first link of the food chain and economically are important for areas rich in aquatic ecosystems such as wetlands and ensures survival.

In this study, we identify and evaluate the diversity and density of zooplankton in the international Guri Gol wetland East Azerbaijan province that is one of the fresh water habitats and registered in the Ramsar Convention. Due to the special circumstances of ongoing ecological wetland climate seems necessary.

Methods

Sampling was done seasonally and Samples were identified with valid identification books and keys, genus and species.

The influence of environmental factors such as temperature, pH, TDS, DO were studied at three stations.

Results and Conclusion

The results showed that the highest variation was in the spring. The highest density of species have been identified is in the summer. Daphnia and Cyclops had the most abundance rate in identified types.

Factors affecting its population are increased food competition with other aquatic creatures. The results of this research could be a prelude to other research is to know about the potential for biological productivity and Protection and economic management of wetlands and also to Biological manipulation because of fixing the problem of biological diversity Threatened.

Keywords: Taxonomy, zooplankton, Daphnia, Cyclops, International wetland of Guri Gol

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