

UDDIPON

A collection of Students' Research Project Summaries



Editor : Dr. Basistha Kalita
Chief Editor : Dr. Hiranya Kumar Chaliha

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Diversity of Aquatic insect population of Kaliabor subdivision

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INTRODUCTION

In lotic environment, aquatic animals are important elements in the ecological dynamics, playing an important role in the cycle of materials and in trophic transfer. Aquatic insect, a group of arthropods, live their life cycle in water bodies and are found in or on the space of the lentic and lotic waters. There are 8 major orders of insect that spend atleast a part of their life cycle in the fresh water ecosystem. Aquatic insect considered as a very good indicator of water quality because of their wide range of environmental disturbance tolerant levels. The high diversity of aquatic insect fauna in stream is an indications of larger micro habitat diversity and better water quality conditions prevailing in the stream. The evenness value was recorded as high in most sites. The high species diversity and evenness in almost all sites indicates good water quality. The change in physico-chemical properties of water can adversely effect the diversity, distribution and composition of aquatic insect. Aquatic insects play an important ecological roles in both realms as