



Physico-Chemical Factors, Primary Productivity and Phyco-Profile of a Natural Impoundment of Water

Divya Tiwari and Rakhi Bajpai

Department of Botany, A.N.D.Nagar Nigam Mahila Mahavidyalaya, Kanpur- 208002

E-mail: divya.tiwari1@gmail.com

Abstract: Primary productivity and algal profile of a natural impoundment of water at Kanpur was assessed during 2010-11. Physico-chemical factors, productivity levels and phyco-profile all indicated the eutrophic nature of the water body. Low NPP values and values pertaining to NPP/GPP ratio indicated the polluted condition of the pond. Algal profile of the pond too indicated the same fact. Fluctuations in primary productivity seemed to be the reflection of seasonal variations associated with ambient physico- chemical characteristics of water that supported the phyco-profile of the water body.

Key Words: Natural Impoundment, Physico-Chemical Factors, Phyco-Profile, Primary Productivity
