BIOLOGICAL WATER QUALITY OF RIVER YAMUNA AT AGRA

Amita Sarkar
Department of Zoology, Agra College, Agra - 282 002, India
e mail - amieeta@gmail.com
(Accepted 20 August 2010)

ABSTRACT – Biological water quality monitoring is considered as to be a recent concept for assessment of health and pollution of a water body. In the present study the biological water quality was carried out at 6 locations on the bank of River Yamuna at Agra and the impact of water pollution was estimated. Six study sites were selected along a 23 km stretch of river Yamuna, viz; Pohia Ghat(I), Dayalbagh(II), Hathi Ghat(III), Mantola(IV), Taj Tannery(V) and Garhi Mahavan(VI). The study was conducted for two years viz., September 2005 – August 2007. Hathi ghat and Taj tannery area site indicate moderate pollution. Site Garhi Mahavan was moderately polluted. Mantola site was the most polluted while Pohia Ghat and Dayalbagh area had clear water.

Key words : Biological water quality monitoring, saprobic and diversity scores, pollution, Yamuna river.