

RESEARCH ARTICLE

Ecological evaluation of water of Sabarmati, Ahmedabad

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ABSTRACT..... Sabarmati is one of the major rivers in Gujarat. It rises from the Aravalli hills and it covers a distance of 300 km. in the state and finally joins southwards to the gulf of Khambhat. This river can be considered as lifeline of this area, which fulfills the need of hundreds of villages, situated along the banks of the river. Due to anthropogenic activities, rapid industrial growth, domestic and agricultural activities of the region, the river water is being polluted, which is the case with almost all major rivers of the country. A year long study was conducted to measure the various physico-chemical and bacteriological parameters including levels of phytoplankton in the river water. The study revealed that there was indication of pollution in the river and hence preventive measures are required to avoid further deterioration of the river water quality.

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