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Assessment of heavy metal pollution in Tapi River (Gujarat)

Monika Dubey and N C Ujjania

Veer Narmad South Gujarat University, India

In the present paper, an attempt had been made to determine the heavy metal pollution in Tapi River (Gujarat). For this study the water samples were collected from pre-selected sampling stations during January to September 2013 and important heavy metal such as cadmium, chromium (hexavalent), lead and cobalt were analysed. Present study revealed that lead (0.019 to 0.340 mg/l) and cadmium (0.003-0.008mg/l) were observed beyond the permissible limits of WHO (2004) while chromium (hexavalent) and cobalt were not detected. On the basis of these results it is concluded that, water of Tapi River is polluted by lead and cadmium due to discharges of industrial waste and anthropogenic activities. Efficient management policy is required to conserve this Tapi River.

Biography

Monika Dubey has completed her MPhil at the age of 24 years from Barkhatulla University, Bhopal (MP). She is doing PhD in Aquatic Biology Department of Veer Narmad South Gujarat University, Surat. She has published more than 3 papers in reputed journals and has been serving as an editorial board member of reputed.

monika_aqua12@yahoo.co.in