

Analysis of water quality using physico-chemical parameters in an around Sangam in Allahabad, Uttar Pradesh, India

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ABSTRACT : This study was aimed to estimate current status of physico-chemical characteristic of Ganga and Yamuna rivers in an around Sangam In Allahabad district, U.P. Monthly changes in Physical and chemical parameters such as water temperature, turbidity, pH, dissolved oxygen, biochemical oxygen demand, chemical oxygen demand, calcium, magnesium hardness, alkalinity and biological parameters (Total coliform Mpn100 ml, Faecal coliform Mpn100 ml) were analyzed for a periods of nine month from April, 2012 to December, 2012. The results indicated that physico-chemical properties of Ganga and Yamuna river water at Sangam in Allahabd district were not found in within desirable limits of drinking water but suitable for irrigation and pisciculture purpose.

Key Words: Surface water, turbidity, Biological oxygen demand, hardness, pisciculture.