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Physico-Chemical Analysis of Makroda Reservoir of Guna District, Madhya Pradesh, India

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Abstract: *The present research study deals with assessment of water quality of Makroda reservoir located in the Bhamori tehsil of Guna district, during the study period from November 2018 to October 2019. The findings of various physico-chemical water samples such as Transparency, temperature, conductivity, TDS, pH, Dissolved Oxygen, Free CO_2, Alkalinity, Hardness, Chlorides, Phosphate and Nitrates were analyzed. According to the current findings, most of the water parameters of this water body were within the allowable range hence, under consideration this reservoir is not badly contaminated, though continuous monitoring in the future is required to protect the water quality through correct ways.*

Keywords: Physico-Chemical.

REFERENCES

[1]. Adoni A.D. (1985). *"Workbook on Limnology",* Pratibha Publication, Sagar (Madhya Pradesh).
[2]. Alam SK. Hydrobiological and physico-chemical analysis of the river Yammuna at Kalpi, district Jalaun, U.P. India. 2013; Ph.D. Thesis (Zoology), Bundelkhand University, Jhansi.
[3]. APHA (1998). *"Standards Methods for the examination of water and wastewater",* American Public Health Association, 20th Edition Washington, D.C.
[4]. Kumar M, Singh R, Chaurasia S and Khare PK. (2016). Physico-chemical examination of Lotic water of River Yammuna at Kalpi, district Jalaun, Uttar Pradesh, India, *Journal of Environmental Research and Development, Vol.* **10**(3):529-536
[5]. Mishra, U.K. and Yadav, V.K. (2020). Comparative Assessment of Physico-Chemical Parameters of Lotic and Lentic Zone of River Betwa in Jhansi (U.P.), India, *Flora and Fauna, An International Journal,* Vol. 26 (2) pp. 309-319
[6]. Trivedi R K and Goel (1986).*"Chemistry and Biological methods for water pollution studies",* Environmental Publication, Kerad.
[7]. Verma S. (2009.)Seasonal Variation of Water quality in Betwa River at Bundelkhand Region, India, *Global Journal of Environmental Research, Vol.* **3**(3):164-168.
[8]. Zaidi J and Pal A. (2015). Influence of temperature on Physico-chemical properties of fresh water ecosystem of Bundelkhand region of Uttar Pradesh, India, *International Journal of Current Research in Chemistry and Pharmaceutical Sciences,Vol.* **2**(3):1-8