

PHYSICO-CHEMICAL PARAMETERS OF KOSI RIVER AT GARJIYA MANDIR (RAMNAGAR) NAINITAL (UTTARAKHAND) INDIA

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ABSTRACT

The present study is under taken to assess the water quality of River Kosi at Garjiyamandir Ramnagar by observing different physico-chemical parameter like temperature, pH, transparency, velocity, total dissolved solids, dissolved oxygen, alkalinity, and chlorides during January to December 2013. The river water is used for fish culture, agriculture, irrigation, and drinking purposes. The physico-chemical parameters were within the permissive limit by W.H.O, I.S.I. and indicated good water quality of River Kosi in this region.

KEY WORDS:- Physico-chemical, Correlation, River Kosi, Garjiyamandir, Ramnagar.

REFERENCES

- Kumar, A and Y. Bahadur, (2009) Physico-chemical studies on the pollution potential of river Kosi at Rampur (India), *World Journal of Agricultural Sciences*, vol. 5, no. 1, pp. 01–04
- APHA-AWWA-WPCS (1998): The examination of water and waste water 20th Edition Washington DC.
- Bahadur, Y and R. Chandra (1996): Monitoring the quality of River Ramganga waters at Bareilly, *Pollution Research*, vol. 15, no. 1, pp. 31–33.
- Bhatt, S.D., Y.Bishtand Negi U.(1984). *Ecology of the limmofauna in the river Kosi of the KumaunHumalaya. Proc. Indian Matn. Sci. Acid.* 50: 395-405.
- Chandra R., Gupta M. and Pandey (2011) A Monitoring of river Ram Ganga : Physicochemical characteristic at Bareilly, *Rec. Res.Sci. Tech.*, **3**(6), 16-18.
- Dobriyal, A K., Bahuguna, A.K., Kumar, N. and Kotnala, C B (1993). Ecology and seasonal diversity of plankton in a springfed stream Khandagad of Garhwal Himalaya. In: Singh, H R (Ed.) *Advances in Limnology*, NPH New Delhi pp 175-180.
- Khanna, D.R. (1993): *Ecology and Pollution of Ganga River*, Ashish publication house Delhi Pp1-241.
- Khanna, D.R. and Bhutiani, R. (2005): *Water analysis at glance*, ASEA publication Rishikesh Pp1-115.

- Kumar, K., K.K. Rautela, K.L. Bisht, V.D. Joshi, A.S. Rautela and Dobriyal, A.K.(2006): Ecological studies on the Biodiversity of river Khoh in the foothills of Garhwal Himalaya: Part I: *Phytoplanktonanalysis. J. Natcon.*18: 71-80.
- Kumar, P (2009): The impact of Tehri dam on aquatic ecology of Bhagirath River at TehriGarhwal . Ph.D. Thesis, G. K.V. Haridwar.
- Trivedy,R.K. and Goel,P.K.(1984):Chemical and biological methods for water pollution studies, *Environ, publication karad*, Maharashtra India.
- Venkatesharaju K. Ravikumar.P.Somashekar. R.K., Prakash. K.L., (2010): Physico-chemical and Bacteriological Investigation on the river Cauvery of Kollegal Stretch in Karnataka, *Journal of science Engineering and technology*, 6 (1), pp 50-59.
- Welch, P.S.(1948): Limnology methods. McGraw-Hill book Co.Inc.montreal.