

# SEASONAL VARIATION IN WATER QUALITY OF RIVER PUNPUN, BIHAR, INDIA

<http://anveshika.org/proceedings-of-the-zoological-society-of-india/wp-content/uploads/sites/2/2020/06/7-JUNE-2020.pdf>

June 30, 2020 · VOLUME 19 – ISSUE 1

Atul Kumar Sinha<sup>1</sup>, Shailendra Kumar Sinha<sup>1</sup>

<sup>1</sup> University Department of Geology (Binod Bihari Mahto Koyalanchal University, Dhanbad).

Sinha AK, Sinha SK. SEASONAL VARIATION IN WATER QUALITY OF RIVER PUNPUN, BIHAR, INDIA:

<http://anveshika.org/proceedings-of-the-zoological-society-of-india/wp-content/uploads/sites/2/2020/06/7-JUNE-2020.pdf>.

Proceedings of the Zoological Society of India. 2020 Jun 30 [last modified: 2020 Jul 9]. Edition 1.

## Abstract

The study describes water quality of River Punpun , Bihar, India. Seasonal changes in the water quality of the river observed during Monsoon, several water quality parameters show considerable changes due to increased run- off from the catchment area and other seasonal factors. A few parameters responsible for secular variation in water quality of the river Punpun was provided by these parameters. Water temperature, pH, turbidity, electrical conductivity, dissolved oxygen(DO), biological oxygen demand(BOD), chemical oxygen demand(COD) sulphate, phosphate, free CO<sub>2</sub>, total iron, total alkalinity, total hardness, nitrogen-nitrite, nitrogen-nitrate, carbonate, bi-carbonate, total dissolved solids, total suspended solids, sodium, potassium calcium, magnesium, chloride. The seasonal changes in water quality of the river where due to seasonal effects and catchment area characteristics.

## Key words

River Punpun, Seasonal variation, Waterquality, DO, BOD, COD

[Download Full PDF](#)