

# River water quality: A case study of Yamuna at Allahabad

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**SUMMARY :** Rivers are an indispensable part of our biosphere which is essential for the overall development of the present civilization. The present study was focused on the different areas of the River Yamuna at Allahabad city. Sampling and analysis was conducted as per the guidelines of CPCB. The results revealed that there was significant difference in months due to the variations in temperature, weather conditions and even rainfall but there was no significant difference between the sites. The results revealed that the water was suitable for irrigation purpose as the values were found to be within the permissible limit except for DO whose values were found to be slightly less than the permissible limit which makes it unsuitable for bathing purpose. Data shows that the water quality of Yamuna river falls under C category of the surface water quality criteria by CPCB.

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