Microbiological Screening of river Ganga before and after Shivratri

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Abstract
Rivers in India have been regarded from time immemorial as sacred water bodies. The holy Ganges flowing in the most populated northern India is also declared unfit for even bathing. The present investigation has been carried out to monitor the water quality of river Ganga. Water samples were taken from five different sites and were checked out for microbiological study by evaluating SPC. Later on enumeration, isolation and identification of bacteria was done. Sensitivity tests were also carried out. The results obtained after performing the experiments indicates that the water in the tested stretch is unfit for both bathing and drinking purposes.

Keywords: Ganga, microbiological, monitor, river, sacred, SPC