



Short Communication

Assessment of Water Quality For Drinking Purpose In Agra City, India

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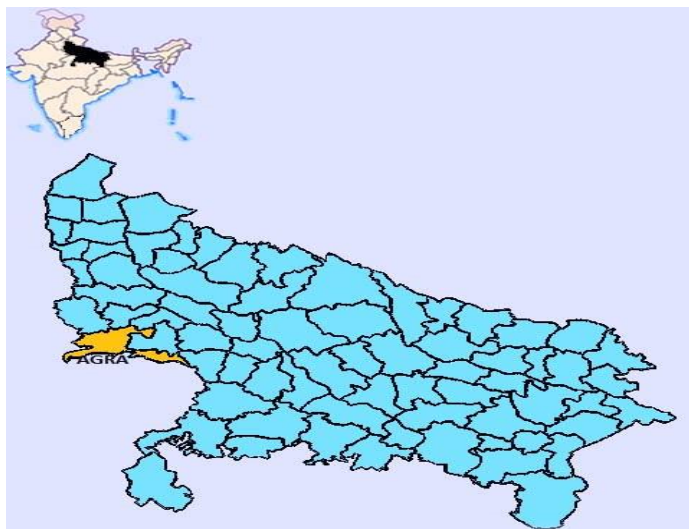
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ABSTRACT

This paper presents a geochemical evaluation of the various parameters of drinking water sources of Agra city. Agra is situated on the banks of Yamuna River known for its brackish water, also the south-west side of city lies near fluoride rich area of Rajasthan. Therefore, it is desirable to independently monitor the quality of ground water sources. Groundwater quality shows wide variations which depends upon depth, hydrogeological conditions and human activities. Ten samples of ground water were collected from different locations in the city. It is observed that in ground water fluoride levels are much higher. The groundwater samples also show higher values of hardness, TDS. Apart from already affected people, a larger part of population is at risk. Similarly, estimation of other parameters like hardness etc. agrees well with observed ill effects.

Graphical Abstract:



Map of Agra District and Study Area

Keywords: Agra, Drinking water, fluoride, Ground water, hardness, TDS.
