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## Use of Marble Slurry Powder Waste for Defluoridation: A Case Study of Jaipur City

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### ABSTRACT

*Large number of people are in rural areas are dependent on ground water for drinking purpose. The present study investigates the study of fluoride in the level of groundwater of different area in jaipur city of Rajasthan state and collecting from bore wells and hand pump. In the current research paper by employing SPANDS method, fluoride ion concentrations in water were determined spectrophotometrically at 570 nm. First and then marble slurry powder was used as adsorbents in defluoridation of water. In this paper, dose of adsorbents, contact time and concentration of fluoride ions will be discussed with their interdependence.*

**Keywords:** Fluoride, marble slurry powder, Analysis of study area.

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