

A COMPARATIVE STUDY OF USING FLY ASH AND MARBLE POWDER FOR FLUORIDE TREATMENT

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ABSTRACT

Fluoride is excessively available in groundwater is very common in India. To knowing the adverse effects of fluoride in water many adsorbents using time to time but due to many side effects of defluoridation we need a perfect method for this. In this research work, we have been applied a comparative study of two different cheap adsorbent. The using adsorbents are Fly ash and marble powder. Here used fly ash, generated from Chula. And pieces of marble collected from the construction area and crushed for use in the laboratory. In this research work Ash, Marble powder is mixed with fluoridated water. After the analysis, we found both of the adsorbents removes fluoride from drinking water but the results were found from fly ash is better than from marble powder.

KEYWORDS: Adsorption, Defluoridation, Fluoride, Fly Ash, Marble Powder P^h

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