ABSTRACT

Fluoride is essential for living things, but at the same time if fluoride is in excess it causes negative effects. In humans if there is a shortage of fluoride, it causes dental caries. Excess of fluoride causes dental, skeletal and non-skeletal fluorosis.

Several studies have been reported about the amount of fluoride, and other physico-chemical properties of ground water, sea water and salt. But not much work has been done on fluoride and other physico-chemical parameters in the salt pans. Also for defluoridation, easily available biosorbents have not been very well researched. The present study is about the physico-chemical parameters of salt pans and defluoridation with the help of a low cost, and easily available pods of Prosopis juliflora. The results of the study would help the common people, and researchers to know about the physico-chemical parameters in salt pans and defluoridation.