**REMOVAL OF TURBIDITY FROM WATER USING LOW COST ADSORBENT**

**ABSTRACT**

Turbidity is measured by the intensity of light scattered by the water sample. Higher the intensity produces higher turbidity. Turbidity actually refers to the cloudiness of a solution. It indicates the presence of TSS (Total Suspended Solids) like clay, silt, organic matter which are very harmful for mankind, biologically as well as chemically. They give an undesirable tastes and odours. Due to the adsorptive characteristics of colloidal solutions, disinfection of turbid water is not always possible. Turbidity refers to the cloudiness of a solution and its characteristics that are imparted by the suspended solid particles limiting the passing of light through water sample.

Usage of natural products to reduce turbidity in a water sample is a technique that has been repeated from years, and the material used are safe and effective, like Rice husk, Ground-nut shells, very fine sand(300micron). These filter media can reduce the level of turbidity in d best way as it can (more than 60%). The materials are generally named as Bio-adsorbent which can remove turbidity from any sort of water sample.