

## **BIOSORPTION OF HEAVY METALS BY DEAD FUNGAL BIOMASS**

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### **ABSTRACT**

In recent times, due to unchecked industrial effluent treatment natural resources like land, air, water and soil are getting polluted. The major cause of this pollution is discharge of pollutants from untreated industrial effluent in to land and water that are containing toxic elements including various heavy metals viz. Cu, Ni, Zn, Mn, Fe, Cr etc. These metals are present as contaminants in the effluents which are released from different industries such as electroplating, mining, pulp industry etc. Biosorption is the most suitable bioremediation process to eliminate these heavy metals. Biosorption of heavy metal is carried out by using living cell and dead cells. This review discusses the advantages of dead biomass over living biomass in the process of biosorption.

**KEYWORDS:** Industrial Effluent, Heavy Metals, Bioremediation, Biosorption, Dead Fungal Biomass