Biosorption of heavy metal ions by nonliving algal biomass.

University of Wolverhampton - Biosorption of Pb (II) and Zn (II) from aqueous solution by Oceanobacillus profundus isolated from an abandoned mine

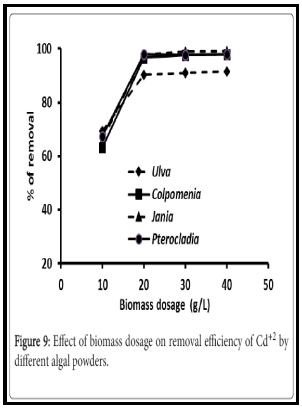

Figure 9: Effect of biomass dosage on removal efficiency of Cd^{+2} by different algal powders.

Description: -
-Biosorption of heavy metal ions by nonliving algal biomass.
-Biosorption of heavy metal ions by nonliving algal biomass.
Notes: Dissertation (M.Sc.) - University of Wolverhampton 1997.
This edition was published in 1997

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Tags: #Simultaneous #bioremediation #of #cationic #copper #ions #and #anionic #methyl #orange #azo #dye #by #brown #marine #alga #Fucus #vesiculosus

A comprehensive review on biosorption of heavy metals by algal biomass: Materials, performances, chemistry, and modeling simulation tools

The highest removal value of copper ions 88. Metal and proton adsorption capacities of natural and cloned Sphagnum mosses. The molar ratio of glucuronic acid to xylan is approximately 1:5 in softwood and 10:1 in hardwood Fengel and Wegener 1989; Lindström 1992.

Biosorption of heavy metals by lignocellulosic biomass and chemical analysis :: BioResources

FIXED BED BIOSORPTION USING AQUATIC MACROPHYTE IN LEAD REMOVAL. Similarly, the three-dimensional plots Fig.

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Moreover, Zn II is a known antibacterial agent because it is a strong oxidative agent that causes cell membrane disruption, leading to cell death.

Biosorption of metals using nonliving biomass — A review

The experimental results for copper ions and methyl orange azo dye removal percentages were 97.

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