

# Biosorption of metal contaminants using immobilized biomass - field studies

**U.S. Dept. of the Interior, Bureau of Mines - Equilibrium and Kinetic Studies of Cd<sup>2+</sup> Biosorption by the Brown Algae *Sargassum fusiforme***



Description: -

- Heavy metals -- Absorption and adsorption.

Sewage -- Purification -- Adsorption.

Mineral industries -- Waste disposal.Biosorption of metal contaminants using immobilized biomass - field studies

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Notes: Includes bibliographical references (p. 10).

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## Biomass for Sustainable Applications: Pollution Remediation and Energy

Biologically Assisted Control of Selenium in Process Waste Waters, Presented at the 118th Annual AIME Meeting, Larsen, D. Description of *Citricoccus nitrophenolicus* sp.

## Impact of Temperature and Loading on the Mitigation of AMD in Peat Biofilter Columns

There was fluctuation of the data as the fungal mycelia growth of T. As a remedial measure, it is for scientists to find new biosorbents which are able to ameliorate the possible toxic effects of heavy metals in water bodies. In addition, biochar contains significant portions of labile organic carbon OC and possibly plant nutrients e.

## [PDF] Advances in the biosorption of heavy metals

In practice, appropriate biochar amendment rate and thorough soil incorporation have to be considered, with the remediation effect being regularly monitored. Microbial Genomics in Sustainable Agroecosystems. Hydrothermal Synthesis of Modified Hydrophobic Zn—Al-Layered Double Hydroxides Using Structure-Directing Agents and Their Enhanced Adsorption Capacity for p -Nitrophenol.

## Biosorption of metals using nonliving biomass — A review

Based on the results, increasing Pb 2+ concentrations may lead to the decrease of microbial growth biomass. Chemical Engineering Journal 2013, 215-216 , 591-599. Chemical Engineering Journal 2013, 218 , 223-231.

## Advances in the biosorption of heavy metals

Methods of Air Sampling and Analysis, Third Edition, Lewis Publishers, Inc. Biosorption of Metal Contaminants Using Immobilized Biomass - A

Laboratory Study. The surface properties of biochar, in particular SSA, pore size, pore volume, polarity, aromaticity, and hydrophobicity, have a predominant effect on biochar—organic compound interactions.

## Related Books

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