Microbial aspects of metallurgy

Medical and Technical Publishing Co. Ltd. - High concentrations of bioavailable heavy metals impact freshwater sediment microbial communities

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Microbial Aspects of Metallurgy

Bioremediation of chromium by novel strains Enterobacter aerogenes T2 and Acinetobacter sp PD 12 S2. Significant correlations were found between multiple phyla and available heavy metals. For instance, microbes are used for the removal of heavy metals from the water bodies including bacteria, fungi, algae and yeast.

The unique immunological and microbial aspects of pregnancy

Within Proteobacteria, OTUs from the Order Syntrophobacterales correlated positively with available Cd.

High concentrations of bioavailable heavy metals impact freshwater sediment microbial communities

Sample collection In China, river sediment samples were collected from near the river bank at the mouth of the river, while estuary sites were collected from the lake bed also near the river mouth see Table.

Biotechnology of Metals

Available Zn levels were influential in structuring PRC microbial communities according to RDA, while available Cd levels were important in structuring USA communities as shown by Mantel tests. Management of target algae by using copper-based algaecides: effects of algal cell density and sensitivity to copper.

Microbial Aspects of Metallurgy by J. D. A. Miller, Paperback

It is primarily the avidity of heavy metals for natural metal-binding agents which determine their toxicity.

Biotechnology of Metals

Antimonite is accumulated by the glycerol facilitator GlpF in Escherichia coli.

The unique immunological and microbial aspects of pregnancy

The mechanisms involved may be specific for the metal or non-specific.

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