

عنوان مقاله:

Phytoremediation as a Promising Method for the Treatment of Contaminated Sediments

محل انتشار:

فصلنامه انرژی و محیط زیست ایران، دوره 10، شماره 1 (سال: 1398)

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خلاصه مقاله:

Dredging activities are necessary to maintain the navigation depth of harbors and channels. Additionally, dredging can prevent the loss of water bodies. A large amount of extracted sediments is produced around the world. Removed material is widely disposed at open seas or landfills. Much of the dredged material is polluted and is classified as unsuitable for open-sea disposal. In Sweden, many dredging activities are taking place nowadays like that in Oskarshamn harbor, Inre harbor Norrköping municipality and Malmfjärden bay in Kalmar. In this review, the potential of phytoremediation as a treatment method is discussed with focus on suggested methods for reusing the treated sediments. Recycling or reusing of dredged and treated sediments will preserve Earth natural resources as well as .reduce diffusion of contaminants to the environment

کلمات کلیدی:

Phytoremediation, Metals, sediments, dredging

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