



Treatment of soils contaminated with Zn²⁺ and Cu²⁺ by soil flushing technology

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The main objective of this work is the use of soil flushing technology to the treatment of contaminated soils by Zn²⁺ and Cu²⁺. Soil flushing is characterised by the metal extraction from soil by aqueous solutions and the subsequent extracted solution treatment. For this reason, four different soils were artificially contaminated by Zn²⁺ and Cu²⁺. Then, soils were treated by solutions with different extracting agents at different times. Experimental results have shown that extraction percentage of metals significantly depends on kind of metal, extracting agent and soil properties such as cation exchange capacity, pH, organic matter content or clay content.

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