

综合评述

有机修复剂在重金属污染土壤修复中的应用

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摘要 有机修复剂在重金属污染土壤修复中具有举足轻重的作用. 本文结合国内外的研究成果和最新研究进展, 从土壤重金属污染修复中有机修复剂应用的发展状况、应用机理、优缺点、影响因素以及成功实例等几个方面论述了国内外有机修复剂的研究现状, 列举了几种应用较为广泛的有机修复剂(如氨基多羧基酸、有机酸、有机质、生物乳化剂等)的最新研究进展, 总结了影响有机修复剂使用的主要因素, 指出目前有机修复剂在实际应用中可能出现的问题, 同时对今后的发展方向进行了展望.

关键词 [土壤](#) [重金属污染](#) [修复](#) [有机修复剂](#)

分类号

Application of organic agents in remediation of heavy metals-contaminated soil

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Abstract

Organic agents play an important role in the remediation of heavy metals contaminated soil, and their introduction into practice is a promising strategy to develop an efficient solution for this remediation. This paper summarized the research advances in the application of organic agents to the remediation of heavy metals-polluted soil, including their action mechanisms, advantages and disadvantages, and factors affecting their efficiency. The commonly used organic agents, such as aminopolycarboxylic acid, organic acid, humic acid, biosurfactants, etc., were introduced, and the prospects of organic agents' application were discussed.

Key words [Soil](#) [Heavy metal contamination](#) [Remediation](#) [Organic agents](#)

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