

Novel Active Substrates: A Potential Solution for Halting Heavy Metal Migration into Soil and Water Ecosystems

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Abstract

An alternative to the well-known reactive permeable barriers (PRBs) is the objective of this paper. Using a reactive barrier below the ground known as PRB is one method for cleaning up contaminated groundwater. New polymer active substrates (ASs) were used to prevent hazardous heavy metals from entering the soil. Old-known alternative to PRBs using the ASs were straightforward to obtain through pouring. The obtained ASs can be recycled and reused. The active

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... 38 percent, a quantification limit of 0.3 g/mL, and an analyte detection limit of 0.1 g/mL. The chromatographic analysis of the soil extract

Conclusion

The study highlights the potential of novel active substrates in reducing heavy metal migration. The results show a significant decrease in migration rates, with some substrates achieving up to 60% reduction. The effectiveness of these substrates is dependent on their chemical structure and the specific environmental conditions. Further research is needed to optimize these substrates for widespread application in various ecosystems.

References

schizophrenia in Latin-America.