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Remediation of Soil Polluted with HMW-PAHs by Alfalfa or Brome in Combination with Fungi and Starch

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Highlights:

- Alfalfa and brome can remove most of the HMW-PAHs to various degrees.
- Adding starch to brome treatment significantly increased the InP and BghiP than for alfalfa.
- The brome, *Fusarium* and starch combination was the most effective strategy for HMW-PAH soil biodegradation.
- The brome, *Fusarium* and starch combination significantly increased soil lignin peroxidase activity.

Abstract

High-molecular weight polycyclic aromatic hydrocarbons (HMW-PAHs) are common