

Accepted Manuscript

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PII: S0304-3894(18)30624-1
DOI: <https://doi.org/10.1016/j.jhazmat.2018.07.076>
Reference: HAZMAT 19585

To appear in: *Journal of Hazardous Materials*

Received date: 7-3-2018
Revised date: 19-7-2018
Accepted date: 20-7-2018

Please cite this article as: Shi W, Guo Y, Ning G, Li C, Li Y, Ren Y, Zhao O, Yang Z, Remediation of Soil Polluted with HMW-PAHs by Alfalfa or Brome in Combination with Fungi and Starch, *Journal of Hazardous Materials* (2018), <https://doi.org/10.1016/j.jhazmat.2018.07.076>

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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

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