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Phytoremediation Potential Of Poplar And Willow Species In Small Scale Constructed Wetland For Boron Removal

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Research highlights

- Eight poplar and willow species tested in constructed wetland (CW) to investigate their Boron (B) phytoremediation ability from wastewater
- Poplar and willow species in CW removed 65-44% of total B in the wastewater
- Photostabilization (31-15%) was the major B removal pathway for some species in CW
- Some species could photoextract more 4000mg/kg B within their tissues
- B loaded wood and leaf materials could be used to produce wooden panels resistant to burn

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