

Accepted Manuscript

Title: Sodium hydrosulfide alleviates cadmium toxicity by changing cadmium chemical forms and increasing the activities of antioxidant enzymes in salix

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PII: S0098-8472(18)30799-8
DOI: <https://doi.org/10.1016/j.envexpbot.2018.08.026>
Reference: EEB 3552

To appear in: *Environmental and Experimental Botany*

Received date: 28-5-2018
Revised date: 15-8-2018
Accepted date: 22-8-2018

Please cite this article as: Yang L, Zeng J, Wang P, Zhu J, Sodium hydrosulfide alleviates cadmium toxicity by changing cadmium chemical forms and increasing the activities of antioxidant enzymes in salix, *Environmental and Experimental Botany* (2018), <https://doi.org/10.1016/j.envexpbot.2018.08.026>

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Sodium hydrosulfide alleviates cadmium toxicity by changing cadmium chemical forms and increasing the activities of antioxidant enzymes in salix

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Highlights

- ·NaHS reduced the soluble cadmium fractions and increased the insoluble cadmium in salix.
- ·NaHS reduced the distribution of Cd in organelles and vacuoles and increased the distribution of Cd in the cell wall of salix
- ·NaHS promotes the level of antioxidant enzyme activities and gene expression of salix
- ·NaHS increases the content of GSH and endogenous H₂S in salix leaves and roots

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