

Accepted Manuscript

Pongamia pinnata (L.) pierre tree seedlings offer a model species for arsenic phytoremediation

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PII: S2352-4073(17)30035-5
DOI: doi: [10.1016/j.plgene.2017.06.002](https://doi.org/10.1016/j.plgene.2017.06.002)
Reference: PLGENE 111

To appear in: *Plant Gene*

Received date: 31 December 2016

Revised date: 5 June 2017

Accepted date: 8 June 2017

Please cite this article as: Dharmendra Kumar, Durgesh Kumar Tripathi, Shiliang Liu, Vivek Kumar Singh, Shivesh Sharma, Nawal Kishore Dubey, Sheo Mohan Prasad, Devendra Kumar Chauhan , *Pongamia pinnata* (L.) pierre tree seedlings offer a model species for arsenic phytoremediation, *Plant Gene* (2017), doi: [10.1016/j.plgene.2017.06.002](https://doi.org/10.1016/j.plgene.2017.06.002)

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Title: *Pongamia pinnata* (L.) Pierre tree seedlings offer a model species for arsenic phytoremediation

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Abstract

Hydroponic experiments were conducted to investigate the effect of different concentrations of arsenic (As) on seedlings of *Pongamia pinnata* (L.). Results revealed that *P. pinnata* successfully tolerated As up to 0.2-1.0 mM and did not show significant reduction in growth and chlorophyll contents. However, these parameters significantly reduced at 1.5 mM of As exposure. Further, *P. pinnata* accumulated As about 528-1122 mg kg⁻¹ dry weight in roots,

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