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Arsenic concentrations and speciation in wild birds from an abandoned realgar mine in China

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**Highlights:**

- Four species of passerine birds with 6 individuals lived in a realgar mine were collected
- The tissues/organs of bird samples were analysed for total concentrations and speciation of arsenic
- Elevated arsenic concentrations in various tissues/organs of the birds were observed
- As (III), DMA and As(V) were the dominant As species

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