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# Role of Trees in Phytoremediation of Soils/Areas Polluted with Trace Flements

Guest Editors:

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Deadline for manuscript submissions:

closed (1 January 2022)

## **Message from the Guest Editors**

Therefore, in this Special Issue, which concerns the use of trees in the phytoextraction/phytoremediation of TE-contaminated soils, we welcome articles (original research papers, perspectives, hypotheses, opinions, reviews, modeling approaches, and methods) that focus on the following topics:

- TE uptake and accumulation;
- TE transport from roots to the stem and leaves;
- Resistance of different tree species to substrates which are highly contaminated with TEs;
- The efficiency of different tree species in TE phytoextraction and phytostabilization;
- TEs' effects on trees—both detrimental alterations and the symptoms of plant defense response—at all levels of plant organization (including wood chemistry, e.g., content of cellulose and lignin);
- Improvement of the efficiency of different tree species in TE phytoextraction and phytostabilization, both by the inoculation of microorganisms (e.g., bacteria and fungi) and by the construction of transgenic trees;
- Trees in the restoration of TE-contaminated soils practical applications and long perspective.













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### **Editor-in-Chief**

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# **Message from the Editor-in-Chief**

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