

Special Issue

Role of Trees in Phytoremediation of Soils/Areas Polluted with Trace Elements

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.

Guest Editors

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Prof. Dr. Mirosław Młeczek

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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