



New Insight into Cadmium Phytoremediation – Volume II

Guest Editor:

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Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editor

Cadmium (Cd) is a toxic heavy metal that is mainly consumed when a person eats agricultural products produced in a Cd-contaminated field, and its accumulation in the human body can cause severe health issues. Cd pollution in agricultural fields is an extensive problem all over the world and must be resolved as soon as possible in order to ensure the stable production of agricultural products and food safety.

Phytoremediation is one of the most effective methods for purifying the soil of Cd. In general, the amount of Cd taken from the soil by phytoremediation depends on the biomass and Cd concentration in the aerial parts of the plants. Cd absorption from the soil to the plant roots and translocation within the plant occurs mainly via heavy metal transporters. However, the mechanisms of Cd accumulation in the aerial parts are not well understood in many plant species.

We are now re-opening the Special Issue as Volume II. We welcome research articles on both Cd phytoremediation and the materials that can be used for it in the future, as well as candidate plant species that accumulate considerable amounts of Cd and genetic resources related to Cd absorption and/or translocation.





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Message from the Editor-in-Chief

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