Special Issue

Phytotoxicity, Plant Tolerance and Phytoremediation of Heavy Metals in Agricultural System

Message from the Guest Editors

Phytoremediation is an environmentally friendly approach used to clean up soils polluted by heavy metals. Hyperaccumulators are specific plant species with the capability of accumulating a high content of heavy metals, providing important clues to study the tolerant mechanisms of plants upon heavy metal exposure. This Special Issue aims to collect current findings and advancements on phytotoxicity, plant tolerance, and the phytoremediation of heavy metals, including the molecular mechanisms used for heavy metal uptake, transportation, accumulation, and toxicity in plants, plant adaptation to heavy metals, the exogenous regulation of plant tolerance against heavy metals, the phytoremediation of heavy metals, and so forth. This Special Issue invites the submission of studies which focus on plant–heavy metal interactions at the morphological, physiological, biochemical, genetic, and ecological levels. It focuses on crops under heavy metal stress, though other plants are also acceptable. Both field trials and laboratory studies are welcome. We are also open to receiving different types of manuscripts.

Guest Editors

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Deadline for manuscript submissions

closed (15 March 2024)

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