

Special Issue

Soil Heavy Metal Pollution and Agricultural Product Quality

Message from the Guest Editors

With the increase in agricultural inputs and rapid industrialization, soil heavy metal pollution has become an important factor affecting the quality of the ecological environment and human health. However, most heavy metal pollutants in soil do not undergo chemical and microbial degradation, leading to their accumulation in soil and subsequent absorption by crops. This poses a threat to the safety and quality of agricultural products. Researchers around the world are invited to contribute relevant papers to this Special Issue. Possible topics include, but are not limited to, the following:

- Effects of heavy metals on the biological characteristics and nutritional quality of agricultural products;
- Migration and transformation of heavy metals in soil-plant systems;
- Soil heavy metal remediation agents based on physical, chemical, or biological methods and their remediation mechanisms;
- Agronomic measures to control heavy metals in agricultural products;
- Novel technologies for the safe utilization of heavy-metal-polluted farmland and their application;
- Source apportionment and risk assessment for heavy metals in agricultural soil and products.

Guest Editors

Prof. Dr. Huafen Li

Department of Environmental Science and Engineering, China Agricultural University, Beijing 100193, China

Dr. Yanan Wan

College of Resources and Environmental Sciences, China Agricultural University, Beijing 100193, China

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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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

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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