



an Open Access Journal by MDPI

Microelements in Plant and Soil

Guest Editor:

Dr. Hongmei Cai

College of Resources and Environment, HuaZhong Agricultural University, Wuhan 430070, China

Deadline for manuscript submissions: closed (15 October 2023)

Message from the Guest Editor

Dear Colleagues,

Microelements are essential for the healthy growth of higher plants, and also required by crops for high yield and quality. If one or more of these elements is deficient, crops will fail to achieve their optimum yield, and the quality of their food products is likely to be impaired. In addition to yields, the contents of micronutrients in crop products, such as staple grains, are also of great importance to the health of humans and animals. In recent years, many studies have reported not only the uptake, transport, and metabolism of microelements in plants but also their bioavailability in soils, their roles played in the biotic and abiotic resistance, interactions with other nutrients, and effects on microbiomes in soils. In this Special Issue, articles (including original research papers, perspectives, opinions, reviews) are welcome that focus on microelements (not onlv essential and benefit microelements, but also toxic trace elements) in plant and soil









an Open Access Journal by MDPI

Editor-in-Chief

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

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, 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 community.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/plants plants@mdpi.com X@Plants_MDPl