



plants



an Open Access Journal by MDPI

New Insights into Fe Localization in Plant Tissues, Cells and Organelles

Guest Editor:

Dr. Stéphane Mari

Laboratory of Biochemistry and
Plant Molecular Physiology
(BPMP, INRAE), France

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editor

Iron (Fe) is one of the most important metal atoms involved in the metabolic activities of plant cells. Incorporated in prosthetic groups of proteins, such as hemes and sulfur clusters, or directly bound to amino acids, iron has a central role in many cellular processes requiring electron transfer reactions (photosynthesis, respiration, redox reactions, enzymatic pathways, etc.). The correct allocation of Fe to the different subcellular compartments is, thus, a vital process for maintaining optimal function of the cell. This Special Issue of *Plants* is, therefore, devoted to highlighting new insights in iron localization in plants, from organs down to organelles, with the objective of having an up-to-date understanding of several aspects of Fe localization, such as, but not restricted to, new probes, analytical techniques for imaging and speciation, sites of Fe accumulation, ligands, and transporters.



mdpi.com/si/45821

Special Issue



plants



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 commentaries on topics of interest to the plant research 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_MDPI](https://twitter.com/Plants_MDPI)