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

Guest Editor:

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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.

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Message from the Editor-in-Chief

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We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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