

Special Issue

Iron Nutrition and Homeostasis in Plants

Message from the Guest Editors

Iron is an essential micronutrient for life. Plants have developed strategies for its acquisition and its transport in the plant and cells. Homeostasis is a key mechanism that allows to drive an equilibrium between how much iron is needed and how plant cells lid with the iron excess. Iron excess can induce oxidative stress and cellular structure damage. How iron is transported through plant organs and in the cells is an active research area. Iron also is accumulated, in ferritins, vacuoles and other, in order to avoid iron excess and to provide sources of iron when iron is low. This special issue aims to describe new and interesting aspects of iron homeostasis in plants, an important topic in plant molecular physiology research.

Guest Editors

Dr. Hannetz Roschztardt

Faculty of Biological Sciences, Pontificia Universidad Católica de Chile, Santiago de Chile, Chile

Prof. Dr. Diego F. Gomez-Casati

Centre for Photosynthetic and Biochemical Studies, National University of Rosario, Rosario 2000, Argentina

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Plants
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, 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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