

Special Issue

Ion Transport and Homeostasis in Plants

Message from the Guest Editors

Ion transport by ion channels and transporters is an essential mechanism in maintaining the life of all living organisms and is required for nutrient uptake, responding to external and internal stimuli, and ion homeostasis in plants. Ion homeostasis is a critical regulatory mechanism for many fundamental processes, such as maintaining electroneutrality, controlling turgor pressure, membrane potential cell volume, and ion movements across the plasma membrane and organella membrane. Understanding ion transport and homeostasis is, therefore, crucially important and gets attention as one of the major research topics today. This Special Issue will shed light on the mechanisms of ion transport activities via ion channels/transporters and of ion homeostasis in plants. We warmly welcome submissions, including original research papers and reviews, on this topic.

Guest Editors

Dr. Ryoung Shin

RIKEN Center for Sustainable Resource Science, Yokohama 230-0045, Japan

Dr. Nobuyuki Uozumi

Department of Biomolecular Engineering, Tohoku University Sendai 980-8579, Japan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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