

Special Issue

Ion Transporters and Abiotic Stress Tolerance in Plants

Message from the Guest Editors

Regulation of activities of ion transporters, such as ion channels, ion carrier, and ion pumps, is crucial for cellular ion homeostasis in plants under a variety of environmental stresses: The transporters modulate the uptake of nutrients, absorption of toxic ions, and exclusion of toxic ions, in order to adapt to environmental change quickly. The activities of transporters are regulated not only by their expression, but also phosphorylation, redox status, and low-molecular compounds, including inorganic ions. This Special Issue will shed light on the mechanisms of abiotic stress tolerance based on results including direct evidence of transporter activities. We warmly welcome submissions, including original research papers and reviews, on this topic.

Guest Editors

Prof. Dr. Yoshiyuki Murata

Graduate School of Environmental and Life Science, Okayama University, 700-8530 Okayama, Japan

Dr. Ryoung Shin

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

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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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