

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.

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