

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.

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