

Special Issue

New Views on the Plant Cytoskeleton

Message from the Guest Editor

A substantial body of work has elaborated on the role of plant cytoskeletal elements in the building of the cell wall and the organization of the cytoplasm by directing intracellular traffic, providing anchors for organelles, and orchestrating global. The integration of cytoskeletal dynamics and organization with extracellular inputs and the hormonal regulation of cell division, growth, and differentiation will be most welcome for submission. Importantly, technical approaches reporting novel probes and microscopy methods to address the dynamics and organization of cytoskeletal elements will be of interest. Modelling software tools capable of describing and predicting cytoskeletal dynamics and organization properties in the single-cell or multicellular context are strongly encouraged. In the biological context we expect submissions addressing the roles of actin and microtubules in tip and diffuse cell growth, in tissue differentiation and cell morphogenesis, in cell division and cytokinesis, in the short-term responses of plant cells to abiotic stresses, or in the ever-evolving tug-of-war between biotic invaders and the plant host.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2022)



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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, and 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.

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