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New Views on the Plant Cytoskeleton

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Deadline for manuscript
submissions:

closed (20 September 2022)

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.



mdpi.com/si/94958

Special Issue



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Message from the Editor-in-Chief

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