

Special Issue

In Vitro Approaches to Investigate Plant Cell Wall Biosynthesis

Message from the Guest Editors

Studies related to plant cell walls continue to uncover the importance of this cell compartment for every aspect of plant life, including growth, development, protection, and communication. Cell walls represent a rich source of renewable materials for industrial uses such as food, fiber, plastics, pharmaceuticals, cosmetics, and energy. This dynamic area of research demands more diverse, reliable, precise, and sophisticated approaches with high-resolution. We seek contributions that expand knowledge on diverse *in vitro* approaches that have the potential to improve our understanding of cell wall formation and modification. We encourage the submission of papers and reviews concerning the most novel achievements in the following areas: 1) the development of *in vitro* techniques for polysaccharide/protein characterization; 2) *in vitro* studies of enzymes involved in cell wall synthesis/modification; 3) substrates or labelling techniques for studies of enzymatic activities/functions; 4) new and improved biotechnological/industrial applications that are driven by an improved understanding of cell wall biosynthesis.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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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.

Editor-in-Chief

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