

## Special Issue

# Endosperm—Ephemeral Tissue with Great Potential

### Message from the Guest Editor

The presence of endosperm tissue is the key feature of angiosperms. The endosperm development affects embryogenesis, seed formation and ultimately germination and seedling growth. Endosperm and embryo are the products of the double fertilization process, but it is possible to achieve autonomous endosperm development. This problem is crucial for basic knowledge and application, especially in agriculture and cultivation of cereals. Endosperm isolation in plant tissue culture is a fascinating area of experimental plant biology, but also challenging as the endosperm recalcitrance. Protocols of dedifferentiation, proliferation and even shoot regeneration from endosperm or endosperm-derived callus have been reported for rare species. The comprehensive study of endosperm requires a multidisciplinary approach involving comparative embryology, histology, tissue culture, phylogenetic, transcriptomic and proteomic analyses. Research articles, review articles and short communications are invited. Papers to be published in this special issue will focus on different aspects of endosperm development as mentioned above.

### Guest Editor

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### Deadline for manuscript submissions

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## Plants

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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