

## Special Issue

# Microscopy Techniques in Plant Studies

### Message from the Guest Editors

Plant biology studies include several approaches that range from gene expression experiments to the evaluation of plant growth in contact with nanostructured materials. Undoubtedly, all studies contribute to the accumulation of knowledge in plant physiology, anatomy and ultrastructure. While many techniques can be used to advance research, microscopy techniques can be applied to solve problems in many fields of plant biology and are extremely versatile. In this sense, microscopy techniques are capable of being applied in all fields of plant biology. Recently, the investigation of plants using microscopy has surpassed traditional techniques such as light and scanning electron microscopy, and has even focused on techniques that have not been applied before, such as Raman microscopy, SIMS microscopy, focused ion beam, and others. With the aim of strengthening the scientific basis for plant science, we welcome articles that enhance our understanding of all aspects of plant biology that include microscopic investigation. Review articles are also welcome.

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### Guest Editors

Dr. Emilio de Castro Miguel  
Dr. Maura Da Cunha  
Dr. Thaiz Batista Azevedo Rangel Miguel

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### Deadline for manuscript submissions

closed (20 June 2024)



## Plants

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*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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