

Special Issue

The Role of Sugars in Plant Responses to Stress and Their Regulatory Function during Development

Message from the Guest Editors

Owing to their regulatory function, sugars affect all phases of the life cycle of plants, interacting with other signaling molecules including phytohormones, and control plant growth and development. The level of sugars in plant cells, their transport, utilization, and storage are precisely regulated and strongly dependent on cell physiological activity, plant organ, environmental conditions, and plant developmental stage during ontogenesis. It is also tightly controlled by sugar transporters and enzymes. All papers submitted to this Special Issue will underline the central role of sugars in plant defense responses to stresses as well as the impact of climatic conditions on the relationship between sugar metabolism and yielding. Additionally, papers regarding the involvement of sugars as signaling molecules in the processes regulating growth and development will be welcome. Original and review papers dealing with all the above aspects of sugars are welcome for inclusion in this Special Issue of the *International Journal of Molecular Sciences*.

Guest Editors

Prof. Dr. Iwona Morkunas

Prof. Dr. Philippe Jeandet

Dr. Mateusz Labudda

Dr. Magda Formela-Luboińska

Deadline for manuscript submissions

closed (30 June 2021)



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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