

## Special Issue

# Molecular Mechanisms Underlying Plant Stimulation by Microalgae and Cyanobacteria

### Message from the Guest Editors

Worldwide agriculture is facing new and concurrent challenges to boost productivity with the aim of feeding an increasing global population, and, at the same time, reducing the environmental impact, maintaining low production costs to sustain competition in a globalized economy. To this end, modern agriculture needs to introduce new tools to produce food in a sustainable way. In this context, biostimulant activity from microalgae and cyanobacteria could enhance crop performance, increase resistance to biotic and abiotic stress, improve defense to pathogens and reduce the risk of chemical-based fertilizer for human health as well as the environment. This Special Issue aims to fill the gap regarding the molecular and physiological mechanisms of action involved in the biostimulant properties of MACB in all phases of plant development and/or when challenged by abiotic and biotic stress. Papers using transcriptomic, proteomics, and metabolomics analysis are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2023)



## International Journal of Molecular Sciences

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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.

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### Editor-in-Chief

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