

## Special Issue

# Plant Secreted Metabolites

### Message from the Guest Editors

In the wild or in the fields, plants live in a fluctuating environment. Edaphic conditions can vary drastically depending on the weather, or geographic and geochemical factors. They will produce and secrete metabolites that either have a protective effect on themselves, or a modifying effect on their environment. Such adaptative mechanisms are implemented by plants in order to promote the remobilization and uptake of immobile nutrients such as phosphorus and iron. Consequently, there is also an indirect impact on the plant nutrition, due to changes in mineralization of organic matter, pressure from pests and pathogens, and competition or cooperation with neighboring plants. A plethora of examples is available in the literature, but the underlying biochemical and molecular mechanisms are often poorly documented. This topic aims at improving our knowledge and understanding of small molecules secreted by plants, in order to enable us to leverage these remarkable biological properties for applications such as plant protection, engineering of crops with improved nutrition capabilities, and decreased environmental impact.

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### Guest Editors

Dr. Louis Grillet

Dr. Christian Dubos

Dr. Hatem Rouached

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### Deadline for manuscript submissions

closed (31 October 2022)



## Plants

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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