

Special Issue

Biological Activities and Potential Applications of Phytotoxins

Message from the Guest Editor

Plants and microbes are able to produce several specialized (secondary) metabolites belonging to different classes of natural compounds. Among them, phytotoxins are substances which are poisonous or toxic for plants. They seem to play an important role in plant–pathogen interactions when produced by phytopathogenic fungi or bacteria, while plant-produced phytotoxins—including allelochemicals—seem to be involved in plant–plant interactions. Thus, the determination of their chemical structure or their identification are fundamental for chemical ecology and for understanding their function. However, most of these compounds have already shown other interesting biological activities and potential applications in fields such as agriculture or medicine. In fact, some phytotoxins have already been proposed for the development of biopesticides, cosmetics, and drugs. The present Special Issue will collect studies on the isolation and characterization of new bioactive phytotoxins or on the evaluation of the biological activities of known phytotoxins for their potential application in different fields.

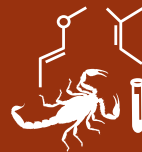
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About the Journal

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

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