

Special Issue

Identification and Functional Characterization of Plant Toxins

Message from the Guest Editors

Given their primordial origin, plants have learned to implement biochemical strategies that allow them to produce defence substances that they have been refined over millions of years of evolution. Unable to move, the strategy that plants have chosen to defend themselves from their herbivorous predators is to produce poisonous substances and store them in their own tissues. Some have an unpleasant taste or smell, with a repellent effect on the animals that eat them. Others are irritating or toxic at high concentrations, but some can be lethal to large animals—such as humans, even in small doses. There are plants that have entered history for their ability to kill, and others that we have learned to manage and to obtain substances to be used as medicines. This Special issue Invites you to report on the identification and functional characterization of the toxic substances produced by plants. Methodological studies, functional investigations, and insights are welcome, as are reviews providing highlights of the most significant research results of the last 5–10 years.

Guest Editors

Prof. Dr. Sabino Aurelio Bufo

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Deadline for manuscript submissions

closed (31 December 2020)



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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.

Editor-in-Chief

Prof. Dr. Jay Fox

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