

Topical Collection

Toxic and Pharmacological Effect of Plant Toxins

Message from the Collection Editor

Plant toxins are secondary plant metabolites that naturally occur in the marine and terrestrial plants of several families, some of which commonly consumed as food. The chemical diversity is tremendous. Phytotoxins can evoke many different effects on living organisms, functioning as: nutrients, useful for growth and other body processes; inerts, such as fiber; toxicants, chemicals which have an effect on metabolic or physiological processes; or drugs, chemicals useful for the prevention or treatment of many diseases. Many plant toxins possess the characteristic of a “Janus” compound, i.e., they exert both significant toxic and pharmacological effects, depending on the concentrations used in the test systems applied. They can also be modified to improve affinity and efficacy for health endorsement. I hope that this collection of *Toxins* entitled “Toxic and Pharmacological Effect of Plant Toxins” will provide an outline of different plant toxins, their mechanisms of action, and the relevance of their toxic and/or pharmacological effects for human health.

Collection Editor

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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

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