



*toxins*



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## Toxic and Pharmacological Effect of Plant Toxins

Collection Editor:

**Prof. Dr. Carmela Fimognari**

Department for Life Quality  
Studies, Alma Mater Studiorum-  
University of Bologna, Corso  
d'Augusto 237, 47921 Rimini, Italy

### Message from the Collection Editor

Dear Colleagues,

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; inert, 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.

Prof. Dr. Carmela Fimognari

*Guest Editor*



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### **Prof. Dr. Jay Fox**

Department of Microbiology,  
University of Virginia,  
Charlottesville, VA, USA

## Message from the Editor-in-Chief

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*Toxins* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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