

Special Issue

Toxic Non-Proteinogenic Amino Acids (NPAA)

Message from the Guest Editor

The non-proteinogenic amino acids (NPAA) are produced by organisms including, in particular, plant and microbial taxa. Reported functions of NPAA include endogenous roles, as well as various “exogenous”, and particularly ecological, and other allelopathic activities. Alongside these roles, NPAAs may secondarily pose threats to human and animal health as potent toxins and/or contributors to diseases. These diverse functions, and reported impacts on health, point to a largely under-investigated contribution of NPAAs as natural toxins. This Special Issue will focus, therefore, on toxic amino acids including their diversity, biosynthesis/biogenesis, mechanisms of toxicity and possible roles in a wide range of biological processes including, in particular, human health and disease. Manuscripts from any fields, and disciplines, related to toxic amino acids are invited.

Guest 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

Prof. Dr. Jay Fox

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