



Toxic Non-Proteinogenic Amino Acids (NPAA)

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. John P. Berry

Guest Editor





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Message from the Editor-in-Chief

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