



Toxic Non-Proteinogenic Amino Acids (NPAA)

Guest Editor:

Prof. Dr. John P. Berry

Institute of Environment,
Department of Chemistry and
Biochemistry, Florida
International University (FIU), 354
Marine Science, Biscayne Bay
Campus, 3000 NE 151st St., North
Miami, FL 33181, USA

berryj@fiu.edu

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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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Prof. Dr. Jay Fox

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

Message from the Editor-in-Chief

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Toxins
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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