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Occurrence, Structure and Potential Threat of Cyanotoxins in Arid Environments

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Deadline for manuscript submissions:
closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

One of the most important issues in arid environments is water scarcity and inadequacy, which can be exacerbated by global climate change and anthropogenic impact. In these regions cyanobacteria may pose a threat to human health and environment in soil and agricultural lands, as well as in aquatic ecosystems. Our knowledge on distribution, structure and toxicity of cyanotoxins is still limited, especially in poorly studied environments of hot and cold drylands.

This SI is devoted to the occurrence and structure of cyanotoxins in fragile ecosystems of arid zones. It aims to highlight the importance of cyanobacterial research in hot and cold drylands, which are among the most vulnerable to climate change and anthropogenic impact.

We invite papers covering:

Monitoring of cyanotoxins and cyanobacteria in inland waters and soils in arid environments

Reports on novel cyanotoxins and cyanotoxins from unstudied communities and localizations

Studies on diversity and structure of novel cyanotoxins and/or of new localizations

Information on cyanobacterial toxicity in these regions

Reviews on cyanobacteria and cyanotoxins in poorly studied arid environments

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Special Issue

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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.

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