

Special Issue

Ecology of Aerophytic and Freshwater Cyanobacteria and Algae with Special Reference to Toxic Species

Message from the Guest Editors

Cyanobacteria and algae occupy all habitats on our planet. However, to date, most of the attention was focused on the ecology of freshwater planktonic algae and their blooms in respect of harmful toxic species and their effects. Algae of freshwater habitats have for many years and with increasing efforts been investigated also for their bioactive components, which are or could be useful for human health and human requirements. While the existence of toxins from cyanobacteria has been known and studied intensively for more than 40 years, bioactive products and toxic compounds of aerophytic algae are a new territory for algal science, which seems to be developing extraordinarily fast. This Special Issue will cover information about a broad diversity of algae from freshwater and aerial habitats, including extremophilic species (like snow-, ice-, and thermal-algae), and provide new information about their ecology and that of bioactive compounds, e.g., toxins. Methods for the detection, isolation of toxic and nontoxic compounds, as well as new facts about life-strategies of microalgae from aeroterrestrial habitats should be presented, but review articles are also welcome.

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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

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