Special Issue

Toxic Microorganisms on Ecosystems: Current Concerns and Expansion

Message from the Guest Editor

Toxic microorganisms on human disease agents occur in ecosystems possessing natural sources of prokaryotes biodiversity. Epidemiological and toxicological spurs aim to provide a mechanism for tackling ecosystem infections and intoxications. The use of a risk assessment to uncover hazards and risks, along with providing control measures for mitigating the impact of toxic microorganisms on ecosystems, may underpin a new strategy for understanding their occurrence. Namely, investigations into on freshwater and on coastal ecosystems, currently a source of exposure given increasing human demands, reporting toxic microrganisms may shed a light on the role on environments in their occurrence. All sciences, as well as a polyphasic approach, may help to mitigate toxic microorganisms' occurrences, in particular those of pathogenic bacteria, toxic cyanobacteria or viruses. Studies on toxic microorganisms on ecosystems and on global changes may help to understand disequilibria of ecosystems and mitigate human-related environmental diseases.

Guest Editor

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Deadline for manuscript submissions

closed (15 June 2024)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/193442

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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