Presence of Microorganisms in Soil and Water

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Message from the Guest Editors

Dear Colleagues,

The presence of microorganisms is one of the determinants of soil and water quality, which also influences the processes occurring in them. An increase in the environmental pollution level and the possibility of the appearance of new substances of anthropogenic origin in the environment makes it necessary to monitor the changes that occur in aquatic and soil microorganisms. A multidisciplinary approach combining knowledge and experience from different fields, such as microbiology, biotechnology, environmental engineering, toxicology, environmental chemistry, hydrology, and bioinformatics should be implemented.

An important issue is the identification of biotic and abiotic factors influencing the microbial composition of soils and surface/groundwaters. Such biomonitoring provides spatial-temporal information on substance loads (pollutants, water/soil quality parameters, nutrients, etc.), as well as water/soil quality and information provision for pollution mitigation and ecological sustainability.

This Special Issue is open to studies on problems related to the identification and impact of pollutants affecting microbial biodiversity of soils and waters.

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Message from the Editor-in-Chief

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