Special Issue

Microbial Processing of Dissolved Organic Matter in Streams and Rivers

Message from the Guest Editor

Fluvial networks are globally relevant for the processing of dissolved organic matter (DOM). However, the molecular change of DOM quality and diversity along river courses has only been described in a few studies so far, and the role of bacteria in the transformation of specific components is not fully understood. Thus, I invite papers that investigate DOM along the flow stretch of streams and rivers using high resolution methods, and that are related to measures of bacterial activity such as biomass production, enzyme activity, metabolism, or transcriptomics. Alternatively, experiments on the transformation of fluvial DOM are welcome. The goal is to obtain information from many waters with different hydrology, and of land use of the catchement, season, or latitude. These results will improve our understanding of organic matter conversion in running waters.

Guest Editor

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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