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Nanocolloids in Water and Human Health

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editors

Nanocolloids are a highly dispersed nanoscale multiphase inhomogeneous system in the environment. What role do nanocolloids in water play in aquatic ecosystems? Are they beneficial or harmful to fishes and other aquatic organisms? Can they carry harmful microorganisms or even viruses in water, causing greater ecological risks and human health issues due to the enhanced diffusion ability of nanocolloids in water? There are large biases and gaps in our understanding of the formation, migration, transformation, and ecological effects of nanocolloids in the water environment and their effects on human health due to the complex matrix of the aqueous environment.

This Special Issue aims to discuss formation processes, environmental behavior, and ecological effects of nanocolloids in water, interactions between nanocolloids and aquatic organisms, and influences on human health, to provide a scientific basis and theoretical support for assessing potential hazards and ecological regulation of nanocolloids in water.

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Message from the Editor-in-Chief

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.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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