Special Issue

Modelling of Drinking Water Treatments to Deal with Global Change

Message from the Guest Editor

Climate change affects the quality and quantity of water available for human consumption. Therefore, drinking water treatment plants (DWTP) require novel strategies to cope with the increasing anthropogenic pressure on the water bodies and more stringent regulations. The aim of this Special Issue of *Water* is to present a collection of applied case studies on how different mathematical and Artificial Intelligence (AI) models can help existing facilities to cope with this challenge. These strategies include predictive models for unit operations, risk assessment of drinking water processes, tracking of natural organic matter composition in DWTP (before, during, and post treatment), new indicators for water monitoring, impact of water recovery systems on DWTPs, the impact of direct/indirect potable reuse schemes and planning or water infrastuctures of the urban water cycle (UWC), decision support systems, and evaluating the uncertainty in drinking water models.

Guest Editor

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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.

Editor-in-Chief

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