

## Special Issue

# Monitoring, Modeling, and Automation of Water and Wastewater Processes

### Message from the Guest Editors

A safe and reliable water supply and wastewater disposal during challenging future scenarios demand innovation in current engineering practices. Improved automation and control of processes can be achieved by modernising water monitoring and by adopting relevant digital solutions such as machine learning and modelling. However, the limited expertise in the industry in calibrating, maintaining, operating, modelling and integrating alternative sources of data has so far hindered a wider implementation of state-of-the-art research.

In this context, this Special Issue focuses on promoting recent practical advancements on using non-traditional sources of data (e.g., high-frequency and remote sensing) to achieve automation and/or optimisation of water/wastewater processes. We welcome submissions outlining: applications of digital twins in water and wastewater conveyance and treatment facilities; the enhancement of reliability, robustness and application of high-frequency (e.g., optical, acoustics) water sensors; and the development of relevant data-driven/hybrid predictive models (e.g., early warning systems, water and wastewater processes optimisation).

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2023)



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## Editor-in-Chief

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