Special Issue

Urban Sewer Systems: Monitoring, Modeling and Management

Message from the Guest Editors

Continuous monitoring and modeling of sewer systems are indispensable for assessing conditions and performance, enabling proactive management. Despite the emergence of new technologies, their effectiveness and longevity in harsh sewer environments remain uncertain. Consequently, numerous unresolved research questions persist regarding the methods, tools, and technologies for effective sewer management. Addressing these challenges is crucial to ensure the resilience and sustainability of urban sewer systems, enhancing their capacity to meet the evolving needs of expanding urban populations. This Special Issue of Water welcomes papers aiming to address these research gaps and contribute to the development of knowledge and technology for cost-effective sewer management. This includes papers focusing on the following topics:

- Emerging technologies in sewer monitoring;
- Hydraulic modeling of sewer systems;
- Sewer process modeling;
- Real-time control and process optimization;
- Application of modeling tools;
- Sewer overflows;
- Sewer operation;
- Sewer-asset management.

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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

Dr. Jean-Luc PROBST
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