

## Special Issue

# Modeling and Optimal Management in Wastewater Treatment Processes

### Message from the Guest Editors

We are pleased to invite you to share your novel research results in this Special Issue titled "Modeling and Optimal Management in Wastewater Treatment Processes". As an upgrade to wastewater industries, Industry 4.0 proposed a next-generation intelligent treatment to achieve a better quality, lower cost, and higher flexibility, supporting the sustainability of wastewater management, water resources, and the environment. In Industry 4.0, modeling, diagnosis, control, and optimization are the four most important tools. In this Special Issue, original research articles and reviews related to wastewater treatment topics are welcome. Research areas may include (but are not limited to) the following:

- Measurement, estimation, and prediction;
- Process monitoring, fault diagnosis, and fault prognosis;
- Maintenance and management;
- Digital twin;
- Data-driven dynamic modeling, mechanism modeling, and hybrid modeling;
- Control and optimization;
- Quantum computing and simulations;
- Quality and reliability analysis;
- Industrial applications and studies.

We look forward to receiving your contributions.

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### Guest Editors

Dr. Yiqi Liu

Dr. Jing Wu

Dr. Dong Li

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### Deadline for manuscript submissions

closed (16 May 2024)



## Sustainability

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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