

## Special Issue

# Sustainability and Resilience of Water Sector Pipeline Infrastructure Systems

### Message from the Guest Editor

As a society, we are critically dependent upon miles of pipeline infrastructure systems to transport water and collect wastewater. Across the world, countries install approximately 500,000 miles of pipelines annually with a market value of over 50 billion dollars. Pipelines cross our communities near our homes and schools, yet little attention is paid to this critical infrastructure until disaster strikes. Approaching pipeline system installation and retrofitting by continuing to use the same 20th-century processes, practices, technologies, and materials will likely yield the same results: increasing instances of service disruptions, higher operating and repair costs, and the possibility of catastrophic. Our pipeline infrastructure systems were created in an era of inexpensive fossil fuel, a stable climate, and a growing economy. This Special Issue invites the submission of original research papers or review papers covering the latest findings and progress in the water sector.

### Guest Editor

Prof. Dr. Sunil Sinha

College of Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA

### Deadline for manuscript submissions

closed (25 March 2024)



## 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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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