

## Special Issue

# Monitoring, Controlling, and Management of Water Quality

### Message from the Guest Editor

Water security is a pressing issue in our society, with both water quantity and quality playing crucial roles. This Special Issue ranges from a wide spectrum of topics, including water quality monitoring, water quality modeling as well as water quality policies (water quality management). Water quality monitoring consists of long-term in situ platforms (nutrient sensors), remote sensing systems (Landsat, Sentinel, Modis) as well as airborne imagery sensors (drone with camera) for various water quality parameters such as nutrients, harmful algal blooms, sediments, etc. Water quality modeling includes physically based watershed-scale models, empirical models as well as relatively new machine learning approaches to recommend research outcomes to policymakers on a large-scale basis. The water quality policies consist of a cost-benefit analysis to differentiate between existing water quality policies to assess their values to societies. The overarching goal of this Special Issue is to capture the new paradigms of water quality research and, therefore, I invite all my colleagues to contribute their innovative concepts of water quality research.

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### Guest Editor

Dr. Subhasis Giri

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### Deadline for manuscript submissions

closed (31 December 2022)



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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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