## **Special Issue**

## Hydraulic Modeling and Climate Change: Impacts on River Systems and Extreme Events

## Message from the Guest Editors

We are pleased to announce this Special Issue, entitled "Hydraulic Modeling and Climate Change: Impacts on River Systems and Extreme Events". This Special Issue centers on the impact of climate change on river hydraulics, trends in extreme flooding, and the use of innovative hydraulic modeling techniques to forecast future flood risks. It investigates long-term shifts in extreme hydrological events and examines the contributions of both natural and anthropogenic factors, leveraging statistical and machine learning models. The Issue also highlights novel methodologies and case studies in flood frequency analysis, focusing on parameter estimation methods, statistical models, and their practical application in flood risk assessment. Additionally, it showcases recent advancements in statistical distributions and techniques for analyzing extreme hydrological events, with applications to flood frequency analysis and prediction. For this Special Issue, we invite original research materials that employ multidisciplinary approaches and explore various facets of hydraulic modeling and hydrometeorological extremes.

## **Guest Editors**

#### Dr. Cristian Anghel

Faculty of Hydrotechnics, Technical University of Civil Engineering Bucharest, Lacul Tei, Nr. 122-124, 020396 Bucharest, Romania

#### Dr. Jeroen Meersmans

TERRA Teaching and Research Centre, Gembloux Agro-Bio Tech, University of Liège, 5030 Gembloux, Belgium

### Deadline for manuscript submissions

31 July 2025



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## Message from the Editor-in-Chief

## Editor-in-Chief

Prof. Dr. Luca Salvati Department of Economics and Law, University of Macerata, Via Armaroli 43, I-62100 Macerata, Italy

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