Special Issue

Artificial Intelligence in Hydrological Sciences: Opportunities, Prospects, and Concerns

Message from the Guest Editors

The integration of artificial intelligence (AI) into hydrological science is revolutionizing our understanding and management of water resources. This Special Issue, titled "Artificial Intelligence in Hydrological Sciences: Opportunities, Prospects, and Concerns", will explore multifaceted applications of AI in this critical field. Through the development of advanced AI algorithms, big data analytics, and predictive modeling, AI offers unprecedented opportunities for enhancing and improving the overall efficiency of water management practices. We are pleased to invite you to contribute to this Special Issue, which will explore diverse applications of AI in water science. Our goal is to present a comprehensive overview of how AI technologies are transforming water science and management, highlighting both the opportunities and the challenges involved. Through this collection of works, we aim to showcase innovative solutions, theoretical advancements, and practical case studies that shed light on the current state and future prospects of AI applications in hydrological science.

Guest Editors

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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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