Special Issue

Hydro-Meteorological Hazards: Causes, Impacts, and Mitigation Strategies

Message from the Guest Editors

Hydro-meteorological hazards, including extreme events like floods, hurricanes, and droughts, are increasingly frequent and intense due to climate change and rapid land-use changes. These hazards pose significant threats to ecosystems, water resources, infrastructure, and human life. This Special Issue seeks to advance our understanding of hydro-meteorological hazards by bringing together studies that explore their causes, impacts, and mitigation strategies. It addresses themes such as (1) the physical and climatological drivers of hydro-meteorological hazards, (2) advanced modeling techniques for forecasting extreme events, (3) impacts on ecosystems and socio-economic systems, (4) sustainable land and water management practices, and (5) early warning and risk mitigation technologies. Submissions may also cover policy-oriented approaches and cross-disciplinary studies that connect environmental science with public health, socio-economics, and urban planning.

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Deadline for manuscript submissions

30 November 2025

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/si/221873

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Editor-in-Chief

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