Special Issue

Climate Variability Impact on the Snowfall Regime in the Mediterranean Area and Semi-Arid Regions

Message from the Guest Editors

Climate variability and global warming trends have a major impact on the hydrological regime and water resource availability all over the world. The effects on the snowfall regime are expected to be determinant in driving impacts on the hydrology of mountainous areas, especially in the Mediterranean area and other semi-arid regions in the world. We welcome innovative and outstanding contributions from these areas to this Special Issue, which focuses on the following issues: partitioning precipitation into rain-and snowfall; measuring snowfall in remote areas; snowfall forecasting and nowcasting; downscaling climate variables in mountain areas to estimate snowfall descriptors; snowfall torrentiality, persistence, and drought; assimilation of remote sensing data into snow models; observed trends of the snowfall regime; future climate scenario projections of snowfall occurrence, amount, and persistence; and hydrological impacts of the changes of the snowfall regime. For further reading, please visit the Special Issue website

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

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