

Special Issue

Rainfall Patterns and Flood and Drought Risk: Assessing Vulnerabilities, Building Resilience and Enhancing Sustainability

Message from the Guest Editor

Rainfall patterns play a crucial role in determining flood and drought risk, significantly influencing both short-term weather events and long-term climate conditions. Expanding knowledge and addressing challenges in rainfall calculations are essential to preventing floods and droughts. Therefore, the primary objective of this Special Issue is to contribute to discussions on the need to better understand rainfall processes and apply modern techniques to calculate design rainfall, as well as indicators of drought, including the formation stages of these phenomena. This includes introducing new ideas and solutions in drought and flood risk management. We encourage authors to share their insights, knowledge, and achievements in rainfall analysis, with a focus on its influence on flood and drought processes. This may include new methods for measuring meteorological factors, such as using satellite imagery or reanalyzed data to assess precipitation, soil moisture, and more, as well as forecasting floods and droughts.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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