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Flood Risk Assessment Using Deep Learning and State-of-the-Art Machine Learning

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Deadline for manuscript submissions:
30 June 2025

Message from the Guest Editors

Flood is one of the most devastating natural hazards affecting society by damaging properties, disrupting communication, and causing death all around the world. Therefore, prior flood risk assessment of an area is extremely important for the proper planning of flood management to prevent loss of life and property. Researchers have developed and used different approaches, including statistical and machine learning languages, in their models for flood risk assessment. The main aim of the proposed Special Issue is to synthesize the state-of-the-art research findings related to the latest developments and challenges in the field of machine learning techniques in one place for proper flood risk assessment and prediction. High-quality original research papers on flood risk modeling related to flood risk assessment and management that present theoretical frameworks, methodologies, and applications from a single-or cross-country perspective are welcome. Case histories and review articles on this topic are also welcome.

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Message from the Editor-in-Chief

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