Special Issue

Modern Developments in Flood Modelling

Message from the Guest Editors

This Special Issue highlights current efforts in advancing the science and applications in flood engineering and more specifically in a wide spectrum of its related geosciences such as hydrology, hydraulics, sedimentation, river restoration. We, therefore, encourage researchers and experts to present their innovative contributions in the following areas:

- Recent remote sensing dataset (rainfall, flood footage etc) and its use in flood modelling;
- Compound events (fluvial, pluvial, coastal flooding and flooding due to a structure failure) and the integration of each driver, along with innovative ideas joint probability flooding models;
- Advances in early flood forecasting systems;
- Advanced approaches in erosion and sedimentation modelling;
- New trends in dam break problems;
- Extreme rainfall and runoff statistical analysis;
- Climatological analysis on quantifying long term changes in annual maximum flooding patterns;
- New developments on natural retention measures (green and green-grey approach);
- Worldwide best practises highlighting the importance of integrated flood relief schemes for adapting city resilience.

Guest Editors

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- Dr. Alexandros Ziogas
- Dr. Vasilis Bellos

Deadline for manuscript submissions

closed (31 January 2023)



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Message from the Editor-in-Chief

About the Journal

Editor-in-Chief

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Author Benefits

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indexed within Scopus, ESCI (Web of Science), PubAg, GeoRef, and other databases.

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JCR - Q2 (Water Resources) / CiteScore - Q1 (Oceanography)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.3 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).

