



River Flood Indicators for Sustainability: Field Studies, Trends and Modeling

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Message from the Guest Editors

In recent decades, we have witnessed a revolution in the way we think about reducing the effects of floods. Our experience with floods show that the size of flood losses depends on three elements: the extent of the flood, what is located in the affected area, and the extent to which the endangered objects and people are susceptible to flooding.

The main aim of this Special Issue is to provide the latest research on:

- development of techniques to reduce flood hazard
- development of flood monitoring and warning system
- numerical modeling of extreme events
- impact of the flood on the aquatic environment
- geomorphological changes in riverbeds after a flood passed
- river bank and bed erosion; incision of river channels
- river sediment transport
- stability of hydraulic structures during floods and their renovation after damage
- spatial development plans taking into account flood risk zones
- riverbed revitalization increasing flood retention



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Message from the Editor-in-Chief

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