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GIS Application in Fluvial Geomorphology and Landscape Changes

Guest Editor:

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submissions:

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Message from the Guest Editor

Dear Colleagues,

The use of GIS has for many years been widely applied in various disciplinary fields, serving as an important support to scientific activity and, in the planning field, to the decisional and programmatic phase. Some morphological and environmental contexts, such as the fluvial one, are particularly suitable for experimenting with new tools, as well as useful for constructing detailed geomorphological maps, also through the semi-automatic extraction of the main landforms, or for applying morpho-evolutionary models of the river landscape, to define areas at risk of flooding and built linear and areal erosion models.

The main purpose of this Special Issue is to propose a wide series of studies and research, in which the use of GIS and/or specific app are functional to the representation of geomorphology and river dynamics, linear erosion processes, ancient landscapes reshaped by the fluvial action, flooding areas, and historical anthropical changes of the river landscape and land use.

Papers with multidisciplinary study approaches will be particularly appreciated.

For further reading, please visit the [Special Issue website](#).



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Special Issue



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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.

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