# **Special Issue**

## GIS Application in Fluvial Geomorphology and Landscape Changes

### Message from the Guest Editor

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.

### **Guest Editor**

Dr. Maurizio Lazzari National Research Council, Institute of Cultural Heritage Sciences, 85050 Tito, Italy

#### Deadline for manuscript submissions

closed (30 June 2020)



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## Message from the Editor-in-Chief

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## Editor-in-Chief

#### Dr. Jean-Luc PROBST

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