

Special Issue

Process-Form Relationship in Fan-Piedmont and River Areas Prone to Flooding

Message from the Guest Editor

Large portions of many fan, piedmont, and river areas are inactive because they were isolated due to flooding activity dating from the Holocene times or earlier. In addition, hydrological studies of channels and piedmont sectors can provide valuable information on the hydraulic regimes dominating the sites, as well as on the potential flooding that will occur. Useful information is also provided by the morphometric parameters of the fan-piedmont and river areas, allowing for further research to improve knowledge of the flooding process. This Special Issue aims to promote papers dealing with the causes of fan-head trenching and channel incision, which are the main processes controlling the location of flood-prone areas, as well as hydrological and morphological studies focusing on improving areas prone to flooding. Moreover, we try to answer how a community should manage the development of fan-piedmont and river areas and determine the most appropriate zoning of flooding areas, aiming to mitigate flooding. Multidisciplinary approaches to studying fans, piedmont, and river areas prone to flooding are welcomed.

Guest Editor

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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