

Special Issue

Catchments Hydrology and Sediment Dynamics: Concepts, Measuring and Modelling

Message from the Guest Editor

The hydrographic catchments is a suitable framework for analysis, but the basin evolution results from the spatial and temporal composition of a variety of processes taking place at highly variable scales. Therefore, models to be run at the scale of a river catchments require physically-based parameterization that can be only obtained from studies of processes at a local scale, as well as of the interconnections between these processes. Moreover, we are not talking just about water, because sediment is a major player of which the importance is also acknowledged by European Directives. This Special Issue will join contributions that address the common topic of catchments hydrology and sediment transport from a variety of approaches, including field and laboratory experiments, as well as local and distributed numerical modelling. We welcome different kinds of manuscripts, including research papers and technical notes. As a further 'bridge across scales', both reviews and vision papers from experienced scholars and research contributions from early-stage researchers are desired.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Surface Processes)

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.6 days after
submission; acceptance to publication is undertaken in 2.8
days (median values for papers published in this journal in
the first half of 2024).