

## Special Issue

# Fluvial Hydrodynamics: Hydrodynamic and Sediment Transport

### Message from the Guest Editor

The present issue wants to contribute to this field by presenting the most relevant advances in fundamental aspects of the erosion, entrainment into suspension, transport, and deposition of sediment in fluvial and coastal systems. Emphasis is given to three main aspects: the fundamentals of hydrodynamics and particle motion, the turbulence flow characteristics and the effects on sediment motion, and the links between sediment transport and morphology. You are kindly invited to submit a manuscript in any aspect of theoretical analysis and/or experimental results on mechanisms of flow-sediment interaction, two-phase erosion (including the influences of geomorphic processes over a range of spatial and time scales), and on presenting new insights derived from simulating or modeling these interactions in experimental, field, or computational settings.

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### Guest Editor

Dr. Donatella Termini

Department of Engineering, University of Palermo, Palermo, Italy

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### Deadline for manuscript submissions

closed (20 May 2022)



## Applied Sciences

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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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