# Special Issue

# Hydrodynamics and Sediment Transport in the Coastal Zone

## Message from the Guest Editors

This Special Issue mainly focuses on coastal hydrodynamics, sediment transport, extreme events in the coastal zone, harbour siltation, scouring in the vicinity of coastal structures, and coastal flooding. Water waves, coastal currents, combined flows, and tsunamis propagating towards the shore are subjects, among others, in which our knowledge is still limited and needs to progress. Sediment transport may have a significant impact on the coastal zone, such as through coastal erosion or the natural filling of channels and estuaries. Harbour siltation may induce drastic consequences for human activities. Coastal structures may be subject to erosion, which may result in the ruin of these structures. Extreme events in the coastal zone and coastal flooding may lead to dramatic human and material consequences. This Special Issue is dedicated to providing original research findings and review articles to the whole scientific community interested in hydrodynamics and sediment transport in the coastal zone. Contributions involving field data, physical modelling, numerical modelling, or theoretical approaches are welcomed.

## Guest Editors

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## Deadline for manuscript submissions

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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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