Special Issue

Local Erosion of Hydraulic Structures and Flood Protection

Message from the Guest Editor

Recent trends in climate change and antrophic pressure have highlighted again the fragility of our engineered environment. New research is produced daily to understand the impact of local erosion as new failures are reported daily in the news. Local erosion phenomena are observed each time water from streams or oceans interacts with engineered structures ranging from bridge piers and sills to flood protection structures such as levees, groynes, and dams. Limitations also exist in measuring, with a high degree of accuracy, the extent of failure or damages that occur to flood protection during flood conditions. With this Special Issue, we would like to invite experts in the area to share their new research on local erosion of hydraulic and flood protection structures, both riverine and coastal. Numerical, physical, measurement methodolgy and hybrid approaches are welcomed. We look forward to receiving your work.

Guest Editor

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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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