



Advanced Studies in Breakwaters and Coastal Protection

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Deadline for manuscript
submissions:

closed (20 June 2024)

Message from the Guest Editors

Dear Colleagues,

Globally, the mean-sea-level rise has been accelerating, the population living in coastal zones has been gradually growing and the demands for deeper harbors have been fast-moving to accommodate deeper-draft vessels. Certain areas around the world will also experience more frequent and intense extreme storm events, leading to increased structural damage, beach/dune erosion, flooding, amongst other processes. Different types of breakwaters have been very common for sheltering harbor entrances/basins against waves, as well as for preventing shoreline erosion. Adapted solutions have required that need to be safe and sustainable for the protection of coastal residents, ecosystems, coastal/harbor infrastructure and economy.

This Special Issue welcomes original research on innovative methods and technologies for coastal and harbor structures, including the effects of climate change, focusing on advanced studies for upgrading the reliability of existing structures in terms of safety and functionality, for the optimal design of new ones and for improving measures to mitigate risks.





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Message from the Editor-in-Chief

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