

Special Issue

Sustainable Coastal Environment and Marine Science

Message from the Guest Editors

the research on coastal environments is one of the most interdisciplinary challenges in engineering and marine sciences. Water and sediments travel from the inland down to the downstream coastal stretches. There, river flow and fluvial sediment transport interact with wind driven waves, tidal oscillations and nearshore circulation and influence water quality and morphodynamics in the nearshore area. Protected as well as heavily anthropized areas are then prone to be influenced by water and sediments coming from so afar. In the case of urban areas, artificial hydraulic networks can also influence the nearshore area in terms of water quality. In the last decades, the problem of coastal erosion, and the consequent coastal flooding, the problem of the water quality, the land use and transformation, the link between reservoir siltation and coastal erosion opened great research opportunities. The big deal is to manage coastal areas with particular attention paid to social, economic, and environmental sustainability...

Guest Editors

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