

Special Issue

Contaminants in Coastal Environments: From the Sediment-Water Interface to the Trophic Chain

Message from the Guest Editors

Rapid industrialization and urbanization have led to the worsening of environmental quality, especially in coastal environments (i.e., estuaries, lagoons, bays, and harbors), which are subjected to several pressures (i.e., industrial, agricultural, and sewage effluents; shipping; oil spills; river nutrient inputs; and atmospheric depositions). Thus, potential toxic elements (PTEs), persistent organic pollutants (POPs), and contaminants of emerging concern (CECs) harm marine life, endanger human health, and often lead to expensive mitigation procedures. This Special Issue will cover the following subjects:

- Source, fate, and effect of contaminants in sediments of coastal ecosystems.
- Modeling of sediment source, transport, and storage in coastal ecosystems.
- Geochemical approaches to bottom sediments to assess anthropogenic changes in coastal environments.
- Sediment-water interactions and dynamics in coastal environments affected by anthropogenic modifications.
- Evaluation of the mobility of contaminants from sediments to the water column and biota
- Solutions to prevent and to mitigate the harmful effects of contaminants on aquatic life.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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