



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

Guest Editors:

Dr. Alessandro Acquavita

Regional Agency for the
Protection of the Environment of
Friuli Venezia Giulia (ARPA FVG),
33057 Palmanova, UD, Italy

Dr. Stefano Covelli

Department of Mathematics and
Geosciences, University of
Trieste, Via Weiss 2, 34128 Trieste
Italy

Dr. Efren Garcia-Ordiales

Department of Mining Methods
and Prospection, University of
Oviedo, Calle San Francisco, 3,
33003 Oviedo, Spain

Deadline for manuscript
submissions:

closed (10 December 2021)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)