

Special Issue

Biogeochemistry of Elements and Contaminants in the Coastal and Shelf Seas

Message from the Guest Editors

Coastal waters and shelf seas act as a buffer zone between land and the open ocean. They provide valuable ecosystem services to human societies but at the same time face multiple natural and anthropogenic stresses which are able to produce non-reversible damage to their functioning. Pressures related to climate change and the ever-increasing demographic/economic growth affect the biological, chemical, and physical processes involved in the biogeochemical cycling of elements (carbon, nitrogen, phosphorus) therein. Human intervention affects trace metal (re-)distribution with consequences related to their bioavailability, while legacy and emerging contaminants are of special concern in respect of their cumulative impact on biota. This Special Issue aims to contribute to our understanding of the biogeochemistry of elements and contaminants in coastal and shelf waters and sediments under human perturbation, including interactions with land and the air–water/water–sediment interfaces. Within this framework, contributions on related experimental work are also welcome.

Guest Editors

Dr. Christina Zeri

Dr. Constantine Parinos

Dr. Elli Pitta

Deadline for manuscript submissions

closed (20 February 2022)



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*Journal of Marine Science and
Engineering*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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About the Journal

Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering (JMSE)*, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of
Western Australia, Perth, WA 6009, Australia

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