



water



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Impact of Atmospheric and River Inputs on the Transfer of Elements and Organic Matter to the Ocean

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Deadline for manuscript
submissions:

closed (31 January 2023)

Message from the Guest Editors

Dear Colleagues,

Coastal marine environments are key environments at the crossroads of continental, oceanic and atmospheric domains where natural or anthropogenic inputs can be stored in the sediment, redistributed, or exported further offshore by hydrodynamic processes (currents, waves, storms, “cascading”) and affect biogeochemical cycles at larger scale. If since many years, material export to the marine environments was supposed to be mainly supplied by rivers and ground waters, it has been recently recognized that a significant fraction of the exported material could also come from atmospheric inputs. Moreover, if a part of the riverine fluxes is subject to biogeochemical modifications and removal in estuarine and coastal systems, atmospheric deposition is widespread and affects marine surface layers over large areas. Atmospheric aerosol deposition has consequently recently been recognized as an significant source of elements that can enhance ocean productivity and carbon sequestration [...]

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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

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