

## Special Issue

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

### Message from the Guest Editors

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 [...] For further reading, please follow the link to the Special Issue Website at: [https://www.mdpi.com/journal/water/special\\_issues/Matter\\_Ocean](https://www.mdpi.com/journal/water/special_issues/Matter_Ocean)

### Guest Editors

Dr. Bruno Charrière

Centre de Formation et de Recherche sur les Environnements Méditerranéens, Université de Perpignan Via Domitia, UMR 5110, 52 Avenue Paul Alduy, CEDEX, F-66860 Perpignan, France

Dr. Dominique Aubert

Centre de Formation et de Recherche sur les Environnements Méditerranéens, Université de Perpignan Via Domitia, UMR 5110, 52 Avenue Paul Alduy, CEDEX, F-66860 Perpignan, France

### Deadline for manuscript submissions

closed (31 January 2023)



## Water

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/90762](https://www.mdpi.com/si/90762)

*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

[mdpi.com/journal/  
water](https://www.mdpi.com/journal/water)





# Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/journal/  
water](https://mdpi.com/journal/water)



## About the Journal

### 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.

---

### Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR  
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique  
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,  
Toulouse, France

---

### 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), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)