

## Special Issue

# Using Natural Radionuclides as Aquatic Tracers in the Terrestrial and the Coastal/Marine Environment

### Message from the Guest Editors

Investigations in hydrology and hydrogeology are often hampered by a lack of parameters that permit a direct observation of the processes of interest. Thus, tracers are applied as a powerful tool for indirect process monitoring allowing the subsequent assessment of process-related effects. Of particular interest in this regard are “Environmental Tracers”. The aim of this Water Special Issue is to present and discuss innovative approaches that apply naturally and ubiquitously occurring radioisotopes as environmental tracers in hydrology or hydrogeology. Studies on theoretical aspects relevant to the use of naturally occurring radioisotopes as tracers as well as studies focusing on their practical application in the terrestrial and the coastal/marine environment will be presented.

### Keywords

- Using natural radioisotopes as environmental tracers
- Groundwater and surface water migration
- Surface water/groundwater interaction
- Dispersion of groundwater and surface water contamination
- Theoretical and practical application aspects
- Terrestrial and coastal/marine environment

---

### Guest Editors

Dr. Michael Schubert

Department Catchment Hydrology, UFZ - Helmholtz Centre for Environmental Research, Leipzig, Germany

Dr. Jan Scholten

Department of Geosciences, Christian-Albrechts-Universität zu Kiel, Kiel, Germany

---

### Deadline for manuscript submissions

closed (30 September 2020)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/27257](https://mdpi.com/si/27257)

*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://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)