

## Special Issue

# Biogeochemical Cycling of Nitrogen and Phosphorus in Groundwater Systems

### Message from the Guest Editors

High concentrations of nutrients (nitrogen and phosphorus) in groundwater pose a potential risk to human health and aquatic ecology. Understanding the biogeochemical cycling of nitrogen and phosphorus in groundwater systems can provide important evidence for mitigating the risks to human health and aquatic ecology. This Special Issue of *Water* titled “Biogeochemical Cycling of Nitrogen and Phosphorus in Groundwater Systems” is devoted primarily to (1) tracing sources of nitrate, ammonium, and phosphorus, as well as organic forms of nitrogen and phosphorus in various types of aquifer systems; (2) identifying biogeochemical processes that control the fate of various forms of nitrogen and phosphorus in groundwater systems, including enrichment processes and natural attenuation processes; (3) assessing the health and ecological risks of nitrogen and phosphorus in groundwater, and developing related assessment methods; (4) conducting laboratory or field studies on the remediation of nitrogen- and phosphorus-contaminated groundwater, and developing related materials or technologies.

---

### Guest Editors

Prof. Dr. Yao Du  
Dr. Wei Xiu  
Prof. Dr. Rui Zuo

---

### Deadline for manuscript submissions

closed (15 August 2023)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/158046](https://mdpi.com/si/158046)

*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)