

Special Issue

Nitrogen Removal and Nitrous Oxide Emission in Wastewater Treatment

Message from the Guest Editors

Nitrogen removal from wastewater is very important for water environment protection, and many countries and areas are enhancing nitrogen removal requirements. [This Special Issue](#) welcomes scientific contributions that will enhance the knowledge in research and applications in the field of nitrogen removal and nitrous oxide emission in wastewater treatment. Specifically, submissions may include, but are not limited to one of the following issues:

1. Novel pathways and microbes for nitrogen transformation in wastewater treatment;
2. The kinetics and nitrifiers in extreme environments, e.g., low dissolved oxygen and acidic environments;
3. Novel nitrogen removal processes for wastewater treatment;
4. Emission mechanisms and control strategies of nitrous oxide during wastewater treatment;
5. Novel bioreactors for enhanced nitrogen removal.

Guest Editors

Prof. Dr. Guoqiang Liu

School of Environment, Jinan University, Guangzhou, China

Prof. Dr. Xin Zhou

College of Environment and Ecology, Taiyuan University of Technology, Taiyuan 030024, China

Dr. Liang Zhang

National Engineering Laboratory for Advanced Municipal Wastewater Treatment and Reuse Technology, Key Laboratory of Beijing for Water Quality Science and Water Environment Recovery Engineering, Beijing University of Technology, Beijing, China

Deadline for manuscript submissions

closed (31 July 2022)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/96763

Water

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

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)