Special Issue

Advances in Anaerobic Digestion for Sewage Sludge Treatment

Message from the Guest Editors

The treatment and disposal of sewage sludge has already proven to be a significant challenge due to its continuous production, the potential environmental risks it poses and its high cost. Given the high organic content and nutrient content of sludge, anaerobic digestion and fermentation are two of the most common solutions for sludge management. These processes stabilize sludge and recover resources, including short-chain fatty acids and methane. This Special Issue aims to provide a platform for global researchers to disseminate recent technological developments and engineering solutions in the areas of sludge anaerobic treatment. We particularly encourage submissions that explore pre-treatment methods to enhance digestion efficiency, microbiological aspects underpinning process stability, nutrient recovery and reuse, and the upgrading of biogas to value-added products. Within this context, we cordially invite you to submit original research and review articles to disseminate and share the novel findings on sludge anaerobic treatment.

Guest Editors

Dr. Qizi Fu

College of Environmental Science and Engineering, Hunan University, Changsha, China

Dr. Yanxin Wu

College of Environment and Resources, Xiangtan University, Xiangtan 411105, China

Deadline for manuscript submissions

closed (20 February 2026)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/246743

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI