water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 6.0

Granular Sludge: Promising Tool in Wastewater Treatment

Guest Editors:

Dr. Bárbara Muñoz Palazón
Department of Microbiology, University of Granada, Granada, Spain

Dr. Alejandro Rodriguez-Sanchez
Department of Horticulture and Landscape Architecture, Purdue University, West Lafayette, IN, USA

Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

The biotechnological approaches play a very important role for the security of the water resources. Wastewater discharges are one source of pollution to ecosystems. Thus, environmental and economical sustainable technology is vital to achieve values of great quality. Granular sludge is a promising technology given the versatility for treating several kind of polluted-water. The compactness and robustness of granules in the tridimensional matrix allow the co-existence of high microbial diversity and the resistance against changes on influent composition. The design of technology, the inoculum origin, the raw water promote several environmentally friendly alternatives for a granular sludge tool.

This Special Issue seeks to focus the challenges, strengths, and opportunities found in the implementation of granular sludge technologies for water and wastewater.

We welcome original articles presenting novel findings on:

- Granular sludge reactors design;
- Anammox granular sludge;
- Aerobic granular sludge;
- Anaerobic granular sludge;
- Granular sludge coupled with other processes;
- Advance on biological processes on granular sludge.

water

IMPACT FACTOR 3.0

CITESCORE 6.0

an Open Access Journal by MDPI

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

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.

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)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI