Special Issue

Advanced Biological Wastewater Treatment and Nutrient Removal

Message from the Guest Editors

The traditional activated sludge process, developed over more than 100 years ago, has become the most widely adopted biological treatment technology in wastewater treatment plants worldwide. In recent years, innovations in wastewater biological treatment theories have driven technological advancements and attracted widespread attention from researchers. This Special Issue mainly focuses on cutting-edge research and technological applications related to advanced wastewater biological treatment and nutrient removal. For this Special Issue, we invite the submission of original research papers or review papers. The topics include, but are not limited to, the following:

- New principles and metabolic pathways for biological nitrogen and phosphorus removal from wastewater;
- Stable operation and optimization strategies for the anammox process;
- Applications and regulation of aerobic granular sludge technology;
- New biofilm technologies based on functional carriers;
- Engineering applications of new technologies for nitrogen and phosphorus removal from wastewater.

For more details, please find at:
https://www.mdpi.com/journal/water/special_issues/MC492G9YI0

Guest Editors

Dr. Hong Wang
Dr. Qiulai He
Dr. Yingmu Wang

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

mdpi.com/journal/water

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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

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