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Biodegradation and Biotransformation in Biological Wastewater Treatment: Advances and Perspectives

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Deadline for manuscript submissions:

closed (31 January 2023)

Message from the Guest Editors

Dear Colleagues,

This Special Issue of *Water* on “Biodegradation and Biotransformation in Biological Wastewater Treatment: Advances and Perspectives” seeks original research and review manuscripts on biological wastewater treatment. The topics include but are not limited to:

- Biodegradation and biotransformation of xenobiotics in wastewater using pure cultures or mixed microbial communities;
- Biological removal of nutrients (e.g., nitrogen, phosphorous, and sulfur) from wastewater;
- Recovering nutrients and energy from wastewater based on biological technologies;
- Biological processes (e.g., SBR, A/O, A/A/O, UASB, MBR, and biofilms) for wastewater treatment;
- Bioaugmentation, biostimulation, and co-metabolism strategies for wastewater treatment.

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Special Issue



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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.

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