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Nitrogen Removal and Nitrous Oxide Emission in Wastewater Treatment

Guest Editors:

Message from the Guest Editors

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Deadline for manuscript submissions: closed (31 July 2022) 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.









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Editor-in-Chief

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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 scientific domains and 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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