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Innovative Membrane Processes in Low-Carbon Wastewater Treatment

Guest Editors:

Dr. Yisong Hu
School of Environmental and Municipal Engineering, Xi'an University of Architecture and Technology, Xi'an, China

Dr. Jialing Tang
School of Architecture and Civil Engineering, Chengdu University, Chengdu 610106, China

Dr. Jiayuan Ji
Institute for Future Initiatives, The University of Tokyo, Tokyo 113-0033, Japan

Deadline for manuscript submissions:
closed (31 March 2025)

Message from the Guest Editors

Dear Colleagues,

Low-carbon wastewater treatment shows great potential in achieving carbon neutrality and energy-efficient wastewater management in light of sustainable development principles. Membrane processes can be adopted for wastewater treatment, including low-pressure ones (ultrafiltration and microfiltration), high-pressure ones (nanofiltration and reverse osmosis), and the ones driven by osmosis pressure and thermal energy. This Special Issue on "Innovative Membrane Processes in Low-Carbon Wastewater Treatment" of MDPI's *Water* journal aims to highlight the recent developments within membrane processes in low-carbon and sustainable wastewater treatment and to discuss the challenges and opportunities for the future development.

[...]
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/XDZ8TY2CJ2

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Dr. Jean-Luc PROBST
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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/water
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𝕏@Water_MDPI