



## Low Carbon Water Treatment and Energy Recovery

Guest Editors:

**Dr. Xin Zhao**

Department of Environmental Engineering, School of Resources and Civil Engineering, Northeastern University, Shenyang 110819, China

**Dr. Lili Dong**

School of Ecology and Environment, Hainan University, Haikou, China

**Dr. Zhaoyang Wang**

College of Earth and Environmental Sciences, Lanzhou University, Lanzhou 730000, China

Deadline for manuscript submissions:

**closed (30 December 2022)**

### Message from the Guest Editors

Dear Colleagues,

Climate change led by excess carbon dioxide emissions is a global challenge. For the water industry, the water treatment process is responsible for the amounts of different carbon emissions. The water industry makes global warming worse, so innovative wastewater treatment that exhausts less or no carbon dioxide is significant. Recently, carbon neutrality has become a hot topic for water treatment all over the world.

To reduce carbon emissions from water treatment, technological and scientific advances will be required, such as biomass production to reduce CO<sub>2</sub> emissions, use of bubble-less gas mass transfer bioreactors, reduced aeration with greater microbial processes, high-efficiency pumps and blowers, low-pressure self-cleaning free membranes, and the use of solar power systems and bioelectrical systems in wastewater treatment. Our present technology for water and wastewater treatment offers enormous scope for improvement.

Based on this background, this Special Issue aims to assemble the latest advancements in innovative technologies for low carbon water treatment and energy recovery. Both full-length research papers and review articles are welcome.





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## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

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Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
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