



Improving the Sustainability of Water Infrastructures towards a Net-Zero Status

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Message from the Guest Editors

Climate change issues have highlighted the need for new approaches in most sectors by considering environmental sustainability, economic development, and energy systems, favoring solutions which not only maximize the short-term benefits of infrastructure investments but also accelerate the transition towards net-zero technologies. Sustainability in infrastructures is the act of creating a reliable infrastructure that can be managed and maintained in accordance with users' needs and without harmful environmental impacts. Humanity is at a very delicate historical point, where moving in the right direction will guarantee a sustainable planet for future generations. Water infrastructures are unsustainable in their current forms due to notable energy consumption and greenhouse gas emissions involved in different processes.

In this context, this Special Issue is seeking scientific contributions that can introduce new methods and technologies to achieve more sustainable water infrastructures with less carbon emission consequences. We are looking for solutions at different levels, such as management strategies or new alternative and novel technologies.





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Message from the Editor-in-Chief

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