

# Special Issue

## Carbon-Based Materials Applied in Water and Wastewater Treatment

### Message from the Guest Editor

This Special Issue will bring into the spotlight contemporary research on the development and exploration of carbon materials in water and wastewater treatment, distinguished by their exceptional adsorptive capacities, high pollutant removal efficiencies, multifunctionality, structural stability, cost-effectiveness, and environmental congeniality. Topics may include, but are not limited to, studies on innovative integrated processes for the removal of emerging pollutants; the application of carbon-based materials in actual industrial wastewater; and novel carbon-based material synthesis technology. Water and wastewater treatment technologies that can deal with pollutants of concern to the aquatic environment, such as membrane filtration, adsorption, coagulation, ion exchange, biological processes, ozonation, and advanced oxidation processes or hybrid processes, are also of interest to investigate with applications from carbon-based materials. This Special Issue collects original research and critical reviews about scientific and technical information. Case studies describing real-life applications of novel technologies are also very welcome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (22 August 2025)



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# About the Journal

## Message from the Editor-in-Chief

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### Editor-in-Chief

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#### Journal Rank:

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