

Special Issue

Composite Materials in Water Treatment Applications

Message from the Guest Editors

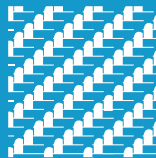
This Special Issue highlights advances in composite materials for addressing global water pollution challenges. With rising concerns over contaminants (heavy metals, dyes, pharmaceuticals, microplastics, etc.), composites—combining high surface area, porosity, and reactivity—offer efficient and selective pollutant removal. We invite original research, reviews, and perspectives on: (1). Material design: Bio-based/polymeric composites, nanostructured hybrids, membranes; (2). Applications: Adsorption, photocatalysis, pilot-scale systems, real-world performance; (3). Sustainability: Recyclability, regeneration, eco-friendly synthesis, long-term stability. We seek multidisciplinary contributions (materials science, chemistry, engineering, environmental research) to advance water purification and resource recovery. Submit your work to inspire innovative, scalable solutions.

Guest Editors

Dr. Carlos Rafael Silva De Oliveira
Dr. Jéssica Mulinari
Dr. Afonso Henrique da Silva Júnior

Deadline for manuscript submissions

5 July 2026



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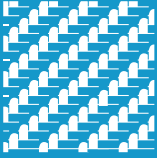
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Editor-in-Chief

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