

## 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.

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### Guest Editors

Prof. Dr. Carlos Rafael Silva De Oliveira

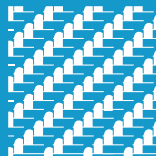
Dr. Jéssica Mulinari

Prof. Dr. Afonso Henrique da Silva Júnior

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### Deadline for manuscript submissions

31 December 2025



## Journal of Composites Science

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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