

Special Issue

Advanced Composite and Hybrid Materials for Photocatalytic and Functional Applications

Message from the Guest Editors

Photocatalytic composites, ranging from oxide-based heterostructures to emerging hybrid architectures, offer effective solutions for environmental remediation, sustainable chemical transformations, and energy-related applications under UV and visible-light irradiation. By integrating multiple functional components, composite and hybrid materials enable enhanced light harvesting, improved charge separation, and superior interfacial reactivity compared to single-component photocatalysts. This Special Issue aims to highlight recent advances in high-performance composite and hybrid materials for photocatalysis, with emphasis on material design, fabrication and surface-engineering strategies, and structure, property, and performance relationships. Contributions focusing on visible-light-active systems, multifunctional coatings, and scalable composite architectures are particularly encouraged. We invite original research articles and review papers addressing advanced composite materials, including photocatalytic coatings, membranes, thin films, and structured catalysts, as well as innovative synthesis and processing approaches. We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Burak Dikici

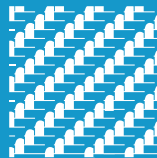
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Deadline for manuscript submissions

20 December 2026



Journal of Composites Science

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.8



mdpi.com/si/271436

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Editor-in-Chief

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