Special Issue

Nanocatalysts for the Degradation of Refractory Pollutants, 2nd Edition

Message from the Guest Editors

The rapid development of industrialization has led to excessive emissions of hazardous pollutants into our water and air, which in turn have had a negative impact on both health and environment. Therefore, adequate contaminant management is required—such as in adsorption, biological oxidation, chemical oxidation and incineration. Yet, the efficiency of these processes is limited by diffusive mass transport, and external means of agitation are required for enhancing yields. In parallel, the rapid growth of nanotechnology has added a new dimension to environmental remediation processes. Due to their nanoscale size, nanoparticles exhibit unique physical and chemical properties, such as their large surface-area-to-volume ratios and high interfacial reactivity. Up to now, more and more nanoparticles have been proven to interact specifically with pollutants in water, gas and even soil, which brings hope for exciting novel and advanced environmental technologies.

With this, we welcome submissions to this Special Issue, "Nanocatalysts for the Degradation of Refractory Pollutants, 2nd Edition".

Guest Editors

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Deadline for manuscript submissions

20 June 2026

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/240451

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