

Special Issue

Advances in Functional Materials for Pollution Detection and Environmental Remediation

Message from the Guest Editors

This Special Issue of *Materials*, titled “Advances in Functional Materials for Pollution Detection and Environmental Remediation”, highlights recent progress in the design, synthesis, and application of materials with tailored physicochemical properties for environmental purposes. Emphasis is placed on materials developed via wet chemical methods or other scalable approaches that enable high sensitivity in pollutant detection, catalytic degradation, adsorption, or other remediation mechanisms. We welcome original research articles and comprehensive review papers that explore functional materials in various forms, including bulk phases, nanostructures, and thin films, applied to environmental monitoring, sensing technologies, water purification, air quality control, and more. Contributions that offer insights into structure–property relationships, sustainable synthesis routes, and real-world applicability are particularly encouraged.

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Deadline for manuscript submissions

20 June 2026



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/260524

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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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