# Special Issue

# Development of Nanocomposite Materials for Environmental Remediation and Biomedical Application

**Message from the Guest Editors**

This Special Issue aims to gather the latest advances in nanomaterials and nanocomposites designed for high-performance applications in environmental remediation and biomedicine. We particularly welcome contributions addressing the following themes:

- Techniques for the synthesis and fabrication of nanocomposite materials, including graphene-based nanocomposites, carbon nanotubes (CNTs), multiwall CNTs, Mxene-based nanocomposites, and polymer-based nanocomposites.
- Methods for the structural characterization of nanocomposite materials, such as spectroscopic techniques, microscopy, and X-ray diffraction.
- Investigation of advanced properties of nanocomposite materials, including mechanical, electrical, optical, and thermal properties.
- Applications of nanocomposite materials in environmental remediation, such as in the removal of antibiotics from aqueous systems, disinfection of air and water, marine pollution and biofouling prevention, and soil remediation.
- Applications of nanocomposite materials in biomedicine, including drug delivery, malignant tumor treatment, biosensing, and medical imaging.

**Guest Editors**

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**Deadline for manuscript submissions**

28 February 2026

**Inorganics**

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/203749

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## Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

## Editor-in-Chief

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