

Special Issue

Advanced Biomaterials: Characterization and Applications

Message from the Guest Editors

This Special Issue aims to present recent advances in the synthesis, characterization, and application of advanced biomaterials with strong potential for real-world implementation. Emphasizing interdisciplinary approaches, this Special Issue welcomes original research highlighting the latest advancement and technical development on innovative techniques for the structural, physicochemical, mechanical, and biological characterization of materials and biomaterials, as well as the methods available to obtain those materials. Review papers and comparative studies are also welcome. Topics include, but are not limited to, bioactive materials, nanostructured biomaterials, hybrid biomaterials, surface functionalization and characterization, biodegradability, and biocompatibility. Applications of interest cover a broad spectrum—from tissue engineering and regenerative medicine to drug delivery systems and biomedical devices—highlighting translational potential and applied outcomes in health, biotechnology, and materials science.

Guest Editors

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Deadline for manuscript submissions

20 March 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/251658

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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