

Special Issue

New Advances of Magnetic Nanomaterials in Biomedical Applications

Message from the Guest Editor

Magnetic nanomaterials have emerged as a highly promising class of materials in the biomedical field, owing to their unique magnetic properties, high surface area-to-volume ratio, chemical versatility, and ability to be functionalized for specific biological interactions. These features make them suitable for a wide range of applications, including targeted drug delivery, magnetic resonance imaging (MRI), hyperthermia-based cancer therapy, tissue engineering, and biosensing technologies.

This Special Issue aims to showcase recent progress made in the design, synthesis, and functional evaluation of magnetic nanomaterials tailored for biomedical use. Emphasis is placed on novel fabrication techniques, surface modification strategies, and the assessment of in vitro and in vivo biocompatibility and efficacy.

We encourage the submission of both original research articles and comprehensive reviews. Interdisciplinary contributions and application-driven studies are particularly welcome to be submitted, especially those highlighting innovative solutions to clinical challenges through the integration of magnetic nanotechnology with diagnostic and therapeutic platforms.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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