Special Issue

Magnetic Nanoplatforms for Biomedical Applications

Message from the Guest Editor

This Special Issue of *Micromachines*, titled *"Magnetic Nanoplatforms for Biomedical Applications"*, aims to explore the rapidly evolving field of magnetic nanomaterials and their integration into innovative biomedical technologies. Magnetic nanoparticles and nanocomposites have emerged as versatile tools with unique physicochemical properties, enabling significant advancements in targeted drug delivery, magnetic resonance imaging (MRI), biosensing, tissue engineering, hyperthermia treatment, and minimally invasive diagnostics. This Special Issue welcomes original research articles, reviews, and short communications that present novel fabrication techniques, functionalization strategies, and application-oriented studies involving magnetic nanoplatforms. Particular emphasis will be placed on interdisciplinary approaches that combine nanotechnology, materials science, micro/nanofabrication, and biomedical engineering to address current challenges in clinical and preclinical healthcare. Contributions that demonstrate translational potential or introduce scalable manufacturing methods are especially encouraged. We look forward to receiving your contributions.

Guest Editor

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You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

Editor-in-Chief

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