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Magnetic Nanomaterials, Devices and Sensors for Biomedical Applications

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Deadline for manuscript
submissions:

closed (20 December 2022)

Message from the Guest Editors

Dear Colleagues,

Recently, there has been a growing interest in biomedical applications of magnetic materials and sensors. Diagnostic and therapeutic methods using a magnetic field and magnetic materials are expected to develop future medical care. This is a good opportunity to share recent research achievements in magnetic nanomaterials, devices, and sensors for biomedical applications.

The topics of this Special Issue are as follows, but not limited to:

1. Magnetic particles for biomedical applications
2. Characterization of magnetic nanomaterials
3. Magnetic sensor and sensing system
4. Immunoassay
5. Magnetic particle imaging
6. MRI, low field MRI
7. MEG, MCG
8. Hyperthermia
9. Diagnostic and therapeutic methods using magnetics

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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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