

## Special Issue

# Magnetic Nanoparticles in Theranostic and Health Applications

### Message from the Guest Editors

This Special Issue aims to present scientific publications exploring material processing routes for the development of new systems with theranostic capabilities and their process intensification. We invite the submission of high-quality contributions for this Special Issue. Reviews and original research articles are welcome. Potential topics include, but are not limited to, the following:

- Innovative manufacturing routes;
- Multifunctional hybrid material processing;
- New properties and capabilities for theranostics;
- Device implementation;
- Challenges in synthesis and industrial scale-up;
- Reactive Oxygen Species detection and generation;
- New approaches in targeted drug delivery;
- Smart drug release;
- Localized heating and hyperthermia;
- Magnetically triggered responses.

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### Guest Editors

Dr. Jesús A. Fuentes-García  
Prof. Dr. J. A. Pescador-Rojas  
Prof. Dr. Jaime Santoyo-Salazar

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### Deadline for manuscript submissions

closed (30 January 2026)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
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