

Special Issue

Magnetic Nanomaterials for Drug Delivery and Therapy II

Message from the Guest Editor

We would like to invite you to submit a manuscript to this Special Issue of *Applied Sciences*, entitled Magnetic Nanomaterials for Drug Delivery and Therapy. Magnetic nanomaterials are constantly evolving towards a higher complexity, and, therefore have an improved efficacy in drug delivery across the blood–brain barrier, to sites of infections, chronic inflammation, and tumors and metastases. Advances in material sciences will be the key to developing efficient drug delivery methodologies. These are urgently needed, because both classic chemotherapy and conventional nanotherapy lead to significant collateral effects, mainly because they cannot deliver drugs efficiently across physiological barriers. Active transport to targeted areas is required to elude these barriers. There is a significant potential for the synergy of nanoparticle-based physical therapies (e.g., hyperthermia or ultrasound) and chemotherapy or immunotherapy. However, to date, they are widely unexplored. In this Issue, nanomaterial-centered approaches to nanotherapy will be discussed. We sincerely hope for a wide variety of technically sound manuscripts in this exciting research area.

Guest Editor

Prof. Dr. Stefan H. Bossmann

Department of Cancer Biology, University of Kansas Medical Center,
Kansas City, KS, USA

Deadline for manuscript submissions

closed (20 November 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/40171

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)