

## Special Issue

# Magnetic Nanomaterials for Drug Delivery and Therapy

### Message from the Guest Editors

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 higher complexity and, therefore, improved efficacy in drug delivery across the blood–brain barrier, to sites of infections, chronic inflammation, or 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 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, nanomaterials-centered approaches to nanotherapy will be discussed. We sincerely hope for a wide variety of technically sound manuscripts in this exciting research area.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2019)



## 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  
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