

## Special Issue

# Magnetic Nanohybrids for Advanced Applications

### Message from the Guest Editors

Over the last decade, considerable efforts have been undertaken by many research groups to develop novel nanohybrids with excellent properties, raising interest regarding their applications in a wide range of different areas in biomedicine, catalysis, rare-Earth-free permanent magnets, multiferroic materials, materials for additive manufacturing (3D printing), etc. In this context, this Special Issue covers all research areas related to the synthesis of magnetic nanohybrids and the investigation of their properties and applications. Thus, this Special Issue aims to collect research articles and reviews regarding, but not limited to, the following topics:

- Synthesis of magnetic nanohybrids;
- Preparation of magnetoactive polymer nanocomposites;
- Magnetic nanocomposites consisting of several inorganic components;
- Functionalized magnetic nanoparticles;
- Biomedical applications of magnetic nanoparticles and nanocomposites;
- Characterization of magnetic nanoparticles and nanocomposites;
- Magnetic materials for additive manufacturing.

### Guest Editors

Prof. Dr. Valeria Rodionova

Dr. Davide Peddis

Dr. Alexander Omelyanchik

Dr. Kateryna Levada

### Deadline for manuscript submissions

closed (20 June 2023)



## Magneticochemistry

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).