

## Special Issue

# Magnetic Nanoparticles: Synthesis, Detection, Characterization and Applications

### Message from the Guest Editor

Magnetic nanoparticles, together with magnetic assemblies, are becoming hot topics of material science, chemistry, biomedicine, and microbiology. A great number of natural and artificial magnetic nanoparticles and assemblies have particularly been developed for application in MRI, magnetothermal therapy, magnetic separation, etc. The purpose of this Special Issue is to publish research papers and reviews related to synthesis, detection, characterization, bioeffect, and application of magnetic nanoparticles and to provide a platform for communication between experts in the research fields of magnetic materials, magnetotactic bacteria, biomedicine, etc.

### Guest Editor

Prof. Dr. Qilin Yu

National Key Laboratory of Intelligent Tracking and Forecasting for Infectious Diseases, College of Life Sciences, Nankai University, Tianjin 300071, China

### Deadline for manuscript submissions

closed (1 September 2023)



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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