# Special Issue

# Stable Organic Radicals and Their Magnetic Properties

## Message from the Guest Editor

Since Gomberg's discovery of the triphenylmethyl radical in 1900, persistent and stable organic radicals have been at the forefront of materials discovery. One of the most well studied solid-state properties of stable organic radicals is magnetism. Since the discovery of Kinoshita and coworkers in 1991, of the Aphase of PNPNN exhibiting ferromagnetic order below 0.6 K, significant advances and breakthroughs have been witnessed. This Special Issue aims at publishing a collection of articles illustrating the recent achievements in the preparation, solution, and solid-state characterization of stable organic radicals. Keywords:

- molecular magnetism
- ferromagnetism
- antiferromagnetism
- thiazvls
- hydrazyls
- nitroxides and nitronyl nitroxides
- phenalenyls
- crystal engineering
- structure–magnetism correlations
- organic radical cations and anions
- electron paramagnetic resonance (EPR)
- cyclic voltammetry (CV)
- SQUID magnetometry

### **Guest Editor**

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### Deadline for manuscript submissions

closed (28 February 2022)



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# **About the Journal**

## Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties.

Magnetochemistry is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

#### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

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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).

