

# Special Issue

## Ferromagnetism

### Message from the Guest Editors

Magnetic materials are essential to achieving a sustainable society. For instance, the development of batteries is required for electric vehicles (EVs), but magnetic materials are absolutely needed for the motor on EVs. At the same time, magnetic materials are used for storage, and their value to smart society has been growing, as they save energy. However, most permanent magnets are made from alloys of rare earth elements (REEs), and mining and processing of the elements produces toxic by-products, leading to ecological challenges around mines and refineries. With these in mind, further studies from fundamental to applicational are indispensable. Topics to be covered include but are not limited to:

- Ferromagnets and antiferromagnets;
- REEs;
- Spintronics;
- Films;
- Recycling;
- Physics, chemistry, and metallurgy;
- Measurement;
- Analysis methods.

**Keywords:** Ferromagnets and antiferromagnets; Recycling, recovery and separation; Physics, chemistry, and metallurgy; Theoretical and calculations

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### Guest Editors

Dr. Masami Tsubota

Physonit Inc., Hiroshima, Japan

Prof. Dr. Jiro Kitagawa

Department of Electrical Engineering, Faculty of Engineering, Fukuoka Institute of Technology, 3-30-1 Wajiro-higashi, Higashi-ku, Fukuoka 811-0295, Japan

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### Deadline for manuscript submissions

closed (1 September 2021)



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*Magnetoechemistry*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[magnetoechemistry@mdpi.com](mailto:magnetoechemistry@mdpi.com)

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#### Editor-in-Chief

Prof. Dr. Carlos J. Gómez García

Department of Inorganic Chemistry, Faculty of Chemistry, University of Valencia, C/Dr. Moliner 50, 46100 Burjassot, Spain

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