

## Special Issue

# Theory and Simulations of Magnetic Materials

### Message from the Guest Editor

Magnetism has been an integral part of our everyday lives because of its use in the technology we use. This Special Issue aims to present recent advances in magnetism and related materials, focusing on the theory and simulations of magnetic materials for emerging applications. Original articles and review papers with the following or relevant themes will be encouraged: First-principles calculation of magnetic materials, permanent magnets, rare-earth-based magnet, magnetoelectrics, magneto-optics, information storage, quantum information, 2D magnets, magnetic skyrmions, multiscale modeling of magnetic materials. The purpose of this Special Issue is to highlight recent progress in the theoretical or computational modeling and simulation of magnetic materials. Researchers are therefore invited to submit their original scientific and technical articles of a theoretical or computational nature on a wide range of materials relevant to magnetism. In addition, review articles in a relevant area are also welcomed. I kindly invite you to submit a manuscript for this Special Issue.

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### Guest Editor

Prof. Dr. Santosh KC  
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### Deadline for manuscript submissions

closed (20 May 2023)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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