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Superparamagnetic Materials

Guest Editors:

Prof. Dr. Szczepan Zapotoczny

Faculty of Chemistry,
Jagiellonian University,
Gronostajowa 2, 30-387 Krakow,
Poland

Prof. Czesław Kapusta

Department of Solid State
Physics, Faculty of Physics and
Applied Computer Science, AGH
University of Science and
Technology, al. Mickiewicza 30,
30-059 Krakow, Poland

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Message from the Guest Editors

Superparamagnetic materials, composed of very small magnetic grains or nanoparticles, have been gaining increasing interest, especially for biomedical technologies. The interest has been stimulated by their numerous promising applications, such as in anticancer magnetic hyperthermia, magnetofection, magnetic resonance imaging, and also in the form of ferrofluids that may be used for liquid seals, efficient heat transfer and damping.

In this Special Issue, we are calling for papers that report on the synthesis and characterization of superparamagnetic materials focusing on recent advances from fundamental research to applications. Original papers, as well as critical reviews, are very welcome.

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Prof. Szczepan Zapotoczny
Prof. Czesław Kapusta
Guest Editors



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Special issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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