



Functionalized Magnetic Nanomaterials: Synthesis, Characterization and Applications

Guest Editor:

Dr. Solenne Fleutot

Institut Jean Lamour, Université
de Lorraine, Nancy, France

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Message from the Guest Editor

Dear Colleagues,

We are inviting submissions to the Special Issue on “Functionalized Magnetic Nanomaterials: Synthesis, Characterization and Applications”.

The study of nanomaterials for various applications is a booming field of research. The development of new synthesis methods and characterization techniques has made it possible to develop new nanomaterials for significant progress in many fields such as energy, the environment, health, etc. Among nanomaterials, magnetic nanomaterials and nanoparticles have experienced increasing interest over the past three decades for spintronics, magneto-transport, energy, environment, and health (vectorization and drug delivery, contrast agent).

Therefore, in this Special Issue, we would like to collect contributions that focus on the topic of magnetic nanoparticles and nanomaterials. Corresponding studies on their synthesis and functionalization and physicochemical, surface, and magnetic characterization are welcome in the form of experimental studies as well as comprehensive review and survey papers.

We look forward to your contributions to this Special Issue.





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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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