

Special Issue

Studies of Magnetic Properties of Ferrite Particles

Message from the Guest Editor

Recently, interest in nanosized ferrite particles has significantly increased due to their importance in understanding the fundamentals in nanomagnetism. Novel magnetic behaviors are perceived for the nanosized magnetic particles when compared to that of the bulk counterparts. High magnetocrystalline anisotropy and good chemical stability has completed ferrite NPs, a very promising candidate for diverse applications as in magnetic drug delivery to magnetic recording applications such as audio and video tape and high density digital recording discs. In this Special Issue, we welcome articles that focus on magnetic properties of ferrite and ferrite based Particles and their applications in different fields. Fully controllable fast and low-cost processes especially remain of interest, with a high implementation potential in advanced applications that allows producing high-performance NPs.

Guest Editor

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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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