Special Issue

Structure and Magneto-Optical Properties of Ferrites

Message from the Guest Editor

Dear Colleague, Over the past 175 years since Michael Faraday's discovery of the relation between light and electromagnetism, magneto-optics has become a broad field of fundamental and applied research. Magneto-optics is aimed at the experimental study of the electronic and magnetic structure, magnetic anisotropy, magnetic phase transitions, spin-orbital structure, exchange and exchange-relativistic effects. The search for new materials with high magneto-optical characteristics and the improvement and development of new magneto-optical applications. Various ferrites, being the main objects of fundamental research and basic materials for creating various devices of applied magneto-optics from magneto-optical sensors and visualizers to the terahertz isolators, circulators, magneto-optical modulators, and nonreciprocal elements of the integrated optics. This Special Issue of *Magnetochemistry* aims to publish a collection of research contributions illustrating the recent achievements in all aspects of the ferrite's magneto-optics, especially those related to their structure.

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Message from the Editor-in-Chief

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