



an Open Access Journal by MDPI

Magnetism and Magnetic Materials for Device Applications

Guest Editors:

Dr. Kadiyala Chandra Babu Naidu

GITAM School of Science, GITAM
(Deemed To Be) University
Bengaluru Campus, Bengaluru-
562163, India.

Dr. Chaudhery Mustansar Hussain

Department of Chemistry and
Environmental Science, New
Jersey Institute of Technology,
Newark, NJ 07102, USA

Dr. Khalid Mujasam Bato

King Abdullah Institute for
Nanotechnology, King Saud
University, P.O. Box-2455, Riyadh
11451, Saudi Arabia

Message from the Guest Editors

This Special Issue is aimed at the origin of magnetism and magnetic materials. In particular, this includes device applications such as memory and microwave devices; novel magnetic materials introduced and prepared via different synthesis methods, and the use of the materials in scientific fields and industries. In particular, the bulk and nanomagnetic materials offer the predominant applications in soft and hard magnetic industries. Several microwave devices are being developed based on some magnetic parameters, such as magnetic permeability, magnetic loss, magnetization, coercivity, retentivity, etc. This parametric discussion is well focused here. The basic science involved in these materials suiting applications such as memory and microwave devices is presented. Further, the technological benefits of the same matrix species are concentrated here.

Deadline for manuscript
submissions:

closed (30 May 2022)



mdpi.com/si/109260

Special Issue