# Special Issue

# Advances and Frontiers in Magnetostrictive Materials

**Message from the Guest Editor**

You are cordially invited to submit contributions to this Special Issue , which aims to publish highly rated manuscripts presenting recent developments and applications of a broad range of magnetostrictive materials including material development, design and fabrication of sensor systems, theoretical considerations, numerical simulations and experimental results. Papers exploring the research frontiers of magnetostrictive materials and their applications are explicitly welcome.

Topics include but are not limited to the keywords listed as follows:

Giant magnetostriction
Magnetomechanical effects
Magnetostrictive materials in sensor technology
Magnetostrictive materials in actuator technologies
Magnetostrictive materials in energy harvesting
Magnetostrictive polymer composites
Magnetostrictive materials in magnetoelectricity
Non-Joulian magnetostriction
Self-sensing with magnetostrictive materials
Straintronics
Technology of magnetostrictive materials


**Guest Editor**

Prof. Dr. Mikhail Shamonin

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**Deadline for manuscript submissions**

closed (31 March 2021)


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## About the Journal

### 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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