# **Special Issue**

## Design, Characterization and Novel Applications of Shape Memory Alloys

## Message from the Guest Editors

Shape memory alloys (SMAs) have the ability to change their shape, properties and structure as a function of the applied temperature, stress or magnetic field. In this Special Issue of *Materials*, the attention is focused on the latest developments of this kind of material, on novel synthesis and processing methods and on potential applications in many fields (automotive, aerospace, biomedical, advanced engineering and so on). Contributions related (but not limited) to the following topics are strongly encouraged: SMA synthesis; SMA novel processing technologies: SMA new developments and applications; SMA-based sensors, actuators or both; SMA experimental characterization; SMA thermomechanical simulation; SMA actuators control; SMA micro actuators; SMA hybrid actuators. Contributions from academic and applied researchers are encouraged in this Special Issue. Full Papers, communications and reviews are all welcome.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (20 October 2023)



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## 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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