

Special Issue

Microstructure and Properties of Shape Memory Alloys

Message from the Guest Editors

Shape memory alloys (SMAs) are a fascinating category of materials with the unique ability to recover large inelastic strains by heating or unloading due to a reversible martensitic transformation.

These shape memory alloys are utilized across diverse sectors including aerospace, automotive, biomedical, solid-state refrigeration and robotics due to their exceptional properties like superelasticity, elastocaloric effect and shape memory effect. Presently, shape memory alloys remain a focal point of research and innovation, with ongoing endeavors aimed at creating novel materials with enhanced properties and delving into fresh applications across various industries.

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Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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