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Multifunctional Properties and Applications of Shape Memory Alloys

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The unique properties of shape memory alloys make them highly valuable in various industries, as they can undergo phase transformations and recover their original shape in response to external stimuli. This ability makes them ideal for use in products that require deformation or mechanical actuation. In recent years, advancements have been made in developing new types of shape memory alloys and exploring their functional properties. The goal is to design and develop alloys that are more efficient and better suited to meet the demands of various industries, such as aerospace, automotive, electronic, and biomedical. The Special Issue of Materials aims to bring together the latest research and developments in this field and provide insights into the multifunctional properties and applications of shape memory alloys. The issue covers topics such as new functionalities, high-throughput multiscale materials computing and machine learning for efficient design methods, additive manufacturing for innovative synthesis and processing, and advanced material characterization techniques. We invite submissions of manuscripts to this Special Issue that address the listed topics.

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Message from the Editor-in-Chief

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