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Multifunctional Materials and Structures

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to publish original scientific papers describing research work about designing the microstructure, mechanical analysis, corrosion resistance, in vitro and in vivo studies, coatings and material processes of all kinds of modern engineering materials. The development of advanced materials and structures including elaboration, properties, and applications has become one of the most important topics in recent years. This is a driving force in the development of new solutions, to find innovative synthesis and technological solutions, as well as understand the function-to-properties relationships, all of which may be reflected in your scientific contributions to this Special Issue. A special array of advanced materials and structures with specific properties has been developed in recent years, across a wide range of commercial, biomedical, and industrial applications. Going forward, research activities in this field will most certainly intensify. The design and synthesis of advanced materials and structures require a thorough understanding of fundamental phenomena in condensed matter, materials physics, and engineering mechanics.



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Special Issue



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Message from the Editor-in-Chief

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.

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