



Manufacturing, Welding, Testing and Applications of the Advanced Materials

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Message from the Guest Editors

Material properties determine their applicability. Additionally, we can design materials for special applications as a function of the required mechanical, chemical, electrical, and other properties and working conditions. The advanced materials are metals, polymers, composites, and ceramics for special applications. The testing of the materials is an essential way to know their properties. For advanced materials, we can use standardized tests, but it can require designing a new testing process.

Experimental characterization of advanced materials when subjected to special conditions.

Synthesis and characterization of improved materials to withstand special working conditions.

New methods of synthesizing advanced materials for working in special environments.

Computational simulation of advanced materials when subjected to special conditions

Thus, we are pleased to invite you to submit your work for this Special Issue, to assemble a collection of in-depth discussions and reflections on this fascinating and important topic for the development of science and technology.





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Message from the Editor-in-Chief

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