Special Issue

Advanced Processing Technologies of Innovative Materials, 2nd Edition

Message from the Guest Editors

Advanced processing technologies of innovative materials have become challenging in the modern mechanical engineering development process. The quality of the product's surface after its growth and repair via additive manufacturing methods, for which additional laser or plasma processing, cleaning, and technologies for applying new nano- and functional coatings can be proposed in the broad context. Fundamental issues in thermal decomposition and the mechanical destruction of innovative multicomponent metal alloys, advanced ceramic composites and nanocomposites, multilayer materials and coatings, and other wear- and heat-resistant materials remain especially prominent in the scientific and industrial environment.

This Special Issue is devoted to the most recent achievements in the field of innovative nano- and functionally gradient materials, industrial ceramics, and advanced technologies of its processing based on plasma and laser treatment, electrophysical processing using thermal dissociation of materials, and mechanical cutting of the actual metals and alloys.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)

Technologies

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 8.5

mdpi.com/si/226848

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Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

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