Special Issue

Advanced Surface Finishing Processes

Message from the Guest Editors

This Special Issue on “Advanced Surface Finishing Processes” aims to comprehensively collect and share knowledge on the manufacturing process used for surface finishing a component. Surface finishing is an essential post-processing step in any manufacturing cycle. Most metal, polymer, ceramic, and fiber components require stringent surface integrity (roughness, dimensional, tribological, and metallurgical properties) for effective and efficient performance. Both external and internal surfaces demand high-precision surface finishing. Aerospace, automobile, semiconductor wafers, photonics, and biomedical components require high-precision mirror polishing. The poor external surface finish affects the fatigue life, surface wear, and dimensional tolerance of a component. High-surface roughness on internal surfaces affects the fluid flow dynamics and wettability characteristics. The current issue aims to publish original research from a broad range of topics, not limited to surface finishing approaches. This includes new and advanced processes, including readily available industrial solutions that enhance the surface quality of a mechanical component.

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Message from the Editor-in-Chief

Journal of Manufacturing and Materials Processing (*JMMP*)(ISSN 2504-4494) is a new MDPI peer-reviewed, open access venue with a focus on the scientific fundamentals and engineering methodologies of manufacturing and materials processing. We offer an online platform facilitating effective exchange of innovative scientific and engineering ideas and the dissemination of recent, original, and significant research and developmental findings. On behalf of the Editorial Board, I extend an invitation to our scientific and engineering colleagues to contribute high-quality, innovative, and ground-breaking research articles to *JMMP.*

Editor-in-Chief

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