Special Issue

Recent Advances in Laser- and Cutting-Based Microfabrication for Functional Surface Engineering

Message from the Guest Editor

The Special Issue "Recent Advances in Laser- and Cutting-based Microfabrication for Functional Surface Engineering" delves into the synergy between the cutting-edge developments in laser- and cutting-based microfabrication and practical applications of surface engineering at the nano/micro-scale. This Special Issue covers a wide array of topics of both microfabrication technologies and innovative functional surfaces, including but not limited to advanced laser micromachining by material ablation, material addition, and material remelting, and cutting-based micromachining by micromilling, turning, and single point cutting. It also explores the latest research in optimizing processing parameters, developing new, multi-process, hybrid microfabrication techniques. Furthermore, the Special Issue highlights these technologies as key enablers in furthering innovative knowledge-based surface functionalities in various industries, such as aerospace, automotive, energy, manufacturing, and biomedical sectors, demonstrating their versatility and added value.

Guest Editor

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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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