

Special Issue

Progress in Laser-Assisted Manufacturing and Materials Processing

Message from the Guest Editor

This Special Issue aims to present cutting-edge research and recent advancements in laser-assisted manufacturing and materials processing. We welcome original research articles and review papers covering, but not limited to, the following topics:

- **Laser-Matter Interaction:** Fundamental studies on laser-induced thermal, mechanical, and chemical effects.
- **Advanced Laser Processing Techniques:** Innovations in laser cutting, welding, drilling, surface structuring, and texturing.
- **Additive Manufacturing:** Laser-based approaches for metal, polymer, and composite fabrication.
- **Hybrid and Multi-Process Laser Techniques:** Integration of lasers with mechanical, chemical, or electrical processing methods.
- **Process Monitoring and Optimization:** AI, machine learning, and real-time sensing for quality control and efficiency improvement.
- **Laser Processing of Advanced Materials:** Applications in high-performance alloys, ceramics, semiconductors, and biomaterials.
- **Environmental and Sustainability Aspects:** Energy efficiency, waste reduction, and green manufacturing strategies.

Guest Editor

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Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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