

## Special Issue

# Laser-Assisted Micro- and Nano-Fabrications

### Message from the Guest Editor

Laser-based micro/nano-manufacturing technologies have emerged in recent years to address relevant issues to increase laser applicability to virtually all kinds of materials at scales down to nanometers. The aim of this Special Issue is to provide an overview of the latest laser techniques developed during these 60 years, categorized into four main areas:

- Near field laser fabrications
- Far field laser interference lithography and laser direct writing for micro and nano fabrication
- Laser manufacturing of nano materials
- Stimulated-emission-induced depletion (STED)-assisted laser fabrication.

---

### Guest Editor

Dr. David A. Willis

Department of Mechanical Engineering, Bobby B. Lyle School of Engineering, Southern Methodist University, P.O. Box 750337, Dallas, TX 75275-0337, USA

---

### Deadline for manuscript submissions

closed (10 July 2023)



## Optics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6  
CiteScore 2.6



[mdpi.com/si/50948](https://mdpi.com/si/50948)

*Optics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[optics@mdpi.com](mailto:optics@mdpi.com)

[mdpi.com/journal/  
optics](https://mdpi.com/journal/optics)





# Optics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.6  
CiteScore 2.6



[mdpi.com/journal/  
optics](https://mdpi.com/journal/optics)



## About the Journal

### Message from the Editorial Board

*Optics* (ISSN 2673-3269) aims at establishing *Optics* as a leading journal for publishing high impact fundamental research and applications in optics field with a fast processing time and high quality service. The journal particularly welcomes both theoretical (simulation) and experimental research within our journal's scope. We encourage scientists to publish their experimental and theoretical results in as much detail as possible. So, there is no restriction on the length or pages of the papers. The full experimental details must be provided so that the results can be reproduced. Electronic files and software regarding the full details of the calculation or experimental procedure, if unable to be published in a normal way, can be deposited as supplementary electronic material.

---

### Editors-in-Chief

Prof. Dr. Costantino De Angelis

Department of Information Engineering, University of Brescia, 25123  
Brescia, Italy

Prof. Dr. Thomas Seeger

Institut Fluid- und Thermodynamik, Lehrstuhl für Technische  
Thermodynamik, Universität Siegen, Paul-Bonatz-Straße 9-11, 57076  
Siegen, Germany

---

### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,  
and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 23 days after  
submission; acceptance to publication is undertaken in 4.8  
days (median values for papers published in this journal in  
the first half of 2025).

#### Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and  
reviewer names published annually in the journal.