

# Special Issue

## Single Molecule Microscopy

### Message from the Guest Editor

This Special Issue has a broad scope and encompasses the application of single particle detection to the study of fundamental interactions at the single molecule level as well as the development of novel single particle detection approaches. We cordially invite submissions of original research articles, comprehensive reviews, and perspectives on (but not limited to) the following topics:

- Single molecule microscopy in biophysics
- Single molecule biosensing; DNA origami nanostructures
- Single molecule based characterization of nanomaterials
- Plasmonics and single molecule enhancement techniques
- Development of novel single particle detections approaches
- Non-fluorescent detection of single particles
- Time-resolved single particle methods
- Manipulation of single molecules

### Guest Editor

Dr. Lukasz Piatkowski

Institute of Physics, Poznan University of Technology, Piotrowo 3, 60-965 Poznań, Poland

### Deadline for manuscript submissions

closed (30 September 2021)



## Photonics

an Open Access Journal  
by MDPI

Impact Factor 1.9  
CiteScore 3.5



[mdpi.com/si/75368](https://mdpi.com/si/75368)

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

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





# Photonics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.9  
CiteScore 3.5



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



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

---

### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Instrumentation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).