

# Special Issue

## Surface Plasmon

### Message from the Guest Editor

Surface plasmon has been one of the rapidly emerging areas in the photonics field due to its unique properties, which enable control and manipulation of light at the nanoscale. Surface plasmons exist in various forms, ranging from free propagating electron density waves along metal-dielectric interfaces to localized electron oscillations on metal nanoparticles. The rapid growth of surface plasmon research is stimulated by a wide range of potential applications that it can offer, including sensing, high-resolution microscopy, energy harvesting, optical data storage, and many more. This Special Issue aims to present the advances in the theory, physics, and applications of surface plasmons. Both articles and review papers are invited for submission to this Special Issue. Topics include but are not limited to:

- Electron-plasmon interactions;
- Novel plasmonic materials and nanostructures;
- Metasurface and metamaterial devices;
- Plasmonic lasers and optical sources;
- Mid-IR and THz plasmonics;
- Near-field scanning optical microscopy;
- Plasmonic sensors and transducers ;
- Ultrafast and nonlinear phenomena;
- Quantum plasmonics.

---

### Guest Editor

Dr. Wei Ru Wong

Department of Electrical Engineering, University of Malaya, 50603 Kuala Lumpur, Malaysia

---

### Deadline for manuscript submissions

closed (15 June 2023)



## Photonics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.9  
CiteScore 3.5



[mdpi.com/si/137016](https://mdpi.com/si/137016)

*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).