

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, Universiti Malaya, Kuala Lumpur, Malaysia

Deadline for manuscript submissions

closed (15 June 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



mdpi.com/si/137016

Photonics

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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





Photonics

an Open Access Journal
by MDPI

Impact Factor 2.1
CiteScore 2.6



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



About the Journal

Message from the Editor-in-Chief

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,
CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Optics)

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 2.6
days (median values for papers published in this journal in
the first half of 2024).