



## Surface Plasmon

Guest Editor:

### Dr. Wei Ru Wong

Department of Electrical  
Engineering, Universiti Malaya,  
Kuala Lumpur, Malaysia

Deadline for manuscript  
submissions:

**closed (15 June 2023)**

### Message from the Guest Editor

Dear Colleagues,

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.

