Special Issue

Integrated Plasmonic Devices

Message from the Guest Editors

The unique optical properties of surface plasmons (SPs) have led to many important applications in multidisciplinary fields, such as chemistry, biology, materials, renewable energy, and information sciences and technologies. Plasmonic sensors, stemming from the local electromagnetic (EM) field enhancement and the ultra-sensitivity of surface plasmon resonance (SPR) to the surrounding medium, have seen prosperous growth in recent years. Plasmonics can remarkably enhance the interaction strength between photons and materials, spurring the fast-growing developments of plasmon-enhanced fluorescence, Raman spectroscopy, heat generation, photoacoustics, photocatalysis, nonlinear optics, solar energy conversion, and so on.

- Plasmonic meta-surface
- Fiber-optic-based plasmonic sensor
- Surface-enhanced Raman scattering (SERS)
- Surface-enhanced infrared absorption
- Plasmonic based devices
- Plasmonic-enhanced light–matter interactions

Guest Editors

Dr. Satyendra Mishra

Dr. Akhilesh Kumar Mishra

Dr. Samir Kumar

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

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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

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