Special Issue

Applications of Surface-Enhanced Raman Spectroscopy (SERS)

Message from the Guest Editor

Surface-enhanced Raman spectroscopy (SERS) is a technique that provides significant augmentation to the Raman signal in Raman spectroscopy. Highly sensitive SERS applications have been proposed, developed, and employed in various fields, including electrochemical and catalytic areas, single molecule detection, bioanalyte sensing, and quantifications.

This Special Issue offers an overview of the recent developments and strategies related to SERS applications. We encourage researchers from interdisciplinary fields to submit their contributions to this Special Issue, especially those who are working on SERS and other variations of Raman spectroscopy, e.g.:

- Surface-enhanced spatially offset Raman spectroscopy (SEORS);
- Tip-enhanced Raman spectroscopy (TERS);
- Surface-enhanced resonance Raman spectroscopy (SERRS);
- Surface-enhanced coherent anti-stokes Raman scattering (SECARS);
- Surface-enhanced stimulated Raman spectroscopy (SESRS);
- Surface-enhanced Raman optical activity (SEROA);
- Surface-enhanced hyper Raman scattering.

Guest Editor

Dr. Clement Yuen
Nanyang Technological University, Singapore

Deadline for manuscript submissions

closed (31 August 2021)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/48922

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

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

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).