Special Issue

Progress in Hyperspectral Imaging and Future Prospects

Message from the Guest Editors

This Special Issue aims to showcase the latest advancements in hyperspectral imaging and explore the future landscape of this evolving field. We seek to gather a collection of high-impact papers that not only demonstrate state-of-the-art hyperspectral imaging technologies but also tackle the inherent challenges and propose innovative solutions. This platform will facilitate the exchange of ideas and foster collaborations that could steer the next wave of breakthroughs in hyperspectral imaging. Topics including, but not limited to, the following:

- Advances in multispectral, hyperspectral, and ultraspectral imaging systems;
- Fourier-transform- and Hadamard-transform-based hyperspectral imaging;
- Hyperspectral computed tomography and snapshot spectral imaging;
- Innovative computational approaches for hyperspectral data processing;
- Metasurface design and applications in hyperspectral imaging;
- Techniques for hyperspectral image super-resolution and denoising;
- Hyperspectral image unmixing, classification, and anomaly detection;
- Applications of hyperspectral imaging in agriculture, biomedicine, defense, geology, and environmental science.

Guest Editors

Dr. Minjie Wan

Dr. Yimian Dai

Dr. Zhuang Zhao

Deadline for manuscript submissions

closed (1 February 2025)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/205906

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).