

# Special Issue

## Latest Advancements in Science, Engineering and Applications of Hyperspectral Imaging

### Message from the Guest Editor

Hyperspectral imaging has benefited greatly from the recent breakthroughs in a plurality of diverse scientific and engineering fields, as they have played a critical role in minimizing the traditional trade-offs between spatial, spectral and temporal information. This Special Issue invites submissions of original research articles as well as reviews pertaining to the following aspects of hyperspectral imaging (the list of topics is not exhaustive):

- Novel spectral imaging sensor and camera designs;
- Advanced, multimodal (hybrid) imaging systems combining spectral imaging and other imaging modalities;
- Miniaturized spectral imagers;
- Computational imaging-based spectral imagers;
- Video-rate spectral imagers;
- Unsupervised classification of spectral imaging data;
- Machine learning and AI methods applied to spectral imaging;
- Applications of spectral imaging in (indicatively) remote sensing, spectral phenotyping, food quality assessment, art conservation, microscopy, endoscopy, surgery, forensics, robotics, on-line inspection, etc.

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### Guest Editor

Prof. Dr. Costas Balas

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### Deadline for manuscript submissions

closed (31 May 2024)



## Photonics

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## 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.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).