

# 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.

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### Guest Editors

Dr. Minjie Wan

Dr. Yimian Dai

Dr. Zhuang Zhao

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### Deadline for manuscript submissions

closed (1 February 2025)



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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Nelson Tansu  
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