

Special Issue

Recent Advances in Hyperspectral Imaging Technology

Message from the Guest Editor

Hyperspectral imaging (HSI) has emerged as a transformative technology in various domains, including remote sensing, medical diagnostics, agriculture, environmental monitoring, and industrial quality control. This Special Issue aims to showcase recent

breakthroughs in HSI technology, highlighting innovations in hardware design, data processing algorithms, and practical applications. Its key topics of interest include, but are not limited to, the following: The development of next-generation hyperspectral sensors and imaging systems;

Advanced calibration and preprocessing techniques; Machine learning and deep learning approaches for HSI data analysis;

Real-time and embedded hyperspectral imaging solutions;

Emerging applications in fields such as biomedicine, precision agriculture, and environmental science.

This Special Issue will bring together researchers, practitioners, and industry experts to discuss challenges and opportunities in the field, fostering collaboration and the exchange of ideas.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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