

## Special Issue

# Deep Learning for Nondestructive Detection and Analysis Using Hyperspectral Imaging

### Message from the Guest Editor

This Special Issue aims to introduce and promote recent research on adaptation and applications of deep learning for hyperspectral image processing and analysis. This Special Issue is particularly interested in recent work involving new and innovative methods for nondestructive quality and safety assessment and sensing of materials and products with deep learning-based hyperspectral imaging. We solicit both original research papers and review articles on various aspects of deep learning-based hyperspectral imaging, including but not limited to, the following topics and applications:

- Transfer learning
- Deep learning architectures and models
- Quality and safety assessment of agriculture and food products
- Plant phenotyping
- Environment monitoring
- Precision agriculture
- Health and medical applications
- Instrumentation
- Sensor/data fusion
- Spectral image management, pretreatment, and processing

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### Guest Editor

Dr. Seung-Chul Yoon

USDA-ARS Quality & Safety Assessment Research Unit, Athens, GA,  
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### Deadline for manuscript submissions

closed (20 September 2024)



## Sensors

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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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