

## Special Issue

# Metamaterials and Antennas for Enhancing Sensing, Imaging and Communication System

### Message from the Guest Editors

Metamaterials are artificial subwavelength-structured media that enable unusual wave properties that cannot be found in nature. The metamaterial antenna is a variation of a regular antenna that incorporates unit cells of metamaterials in the design. This Special Issue of *Sensors* aims to disseminate research contributions on emerging trends and advances in the field of metamaterials and antennas. It covers the fundamental principles and technological applications of metamaterials and antennas, from emerging design concepts, material platforms, and synthesis/fabrication techniques to advanced science/functionality for applications spanning from imaging systems, biosensors, chemical sensing, biomedical devices and communication systems. We solicit contributions on all topics connected to metamaterials and antennas, including but not limited to:

- Plasmonic metamaterials;
- Reconfigurable metamaterials;
- Near-zero index media;
- Metamaterial antennas (meta-antennas);
- Metasurface antennas;
- Liquid antenna;
- Metamaterials for biological and chemical sensing;
- Metadevices for imaging;
- Meta-antenna sensing systems;
- Meta-antenna imaging systems;
- Meta-antenna communication systems.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2025)



## Sensors

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### 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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