# Special Issue

# Application of Artificial Materials in Antennas and Microwave Devices

## Message from the Guest Editors

In modern communication technology, artificial materials, especially metamaterials, have shown great potential in antennas and microwave devices due to their unique electromagnetic properties. These materials can manipulate electromagnetic waves by designing microstructures, such as negative refraction, the perfect lens effect, and invisibility cloaks. In antenna design, artificial materials can enhance the gain and directivity of antennas while reducing their size, which is particularly important for mobile communication devices. Moreover, they can also be used to manufacture high-performance microwave devices, such as filters, waveguides, and stealth materials. These devices play a key role in radar and satellite communication. With the advancement of material science and nanotechnology, the application of artificial materials in antennas and microwave devices will continue to expand, bringing revolutionary changes to future communication technology.

## Guest Editors

Dr. Rui Li

Dr. Le Xu

Prof. Dr. Yingzeng Yin

Dr. Xiaoqun Chen

## Deadline for manuscript submissions

closed (20 April 2025)

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*Electronics*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

mdpi.com/journal/electronics

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## Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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