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Terahertz Metamaterials and Device Applications

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Terahertz science and technology has attracted a great deal of interest, due to its potential applications. The metamaterial is an artificial material with a subwavelength thickness. The metamaterial can realize flexible and effective modulation of terahertz wave polarization, amplitude, phase, and other characteristics.

This Special Issue invites manuscripts that document the recent advances in “Terahertz Metamaterials and Device Applications”. We are pleased to invite you submit your manuscript discussing theory, experimental results as well as applications in terahertz range.

We will consider theoretical, numerical, and experimental papers that cover, but are not limited to, these topics:

- Advanced in THz metamaterial;
- Terahertz photonic metasurfaces;
- Advanced functional materials for THz metamaterial devices;
- Polarization conversion metamaterial;
- Absorption metamaterial;
- Metamaterial sensors;
- Electromagnetic coded metamaterials;
- Vector light field metamaterials;
- Recent uses of THz metamaterial in industry or advanced laboratories.