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Broadband Antennas and Antenna Arrays

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Message from the Guest Editors

In this Special Issue, we are focusing on the application and design of antenna prototypes that could address the growing concern of lightweight, less complex, and affordable antenna structures.

The topics of interest include but are not limited to:

- 5G/B5G/6G technologies;
- Use of artificial intelligence in the design of antenna and antenna array prototypes;
- Application of broadband antennas to study rain attenuation behavior in terrestrial, microwave, and satellite communication;
- Applicability of International Telecommunication Union (ITU) rules and regulation for effective frequency spectrum utilization;
- Realization of antenna structures through machine learning and deep learning;
- Three-dimensional (3D) printed antenna prototypes and design of antenna array;
- Material characterization for the design of broadband antenna and antenna array;
- Phenomenon of beam steering through parallel plates and lens design;
- Utilization of metal plating on 3D-printed surfaces;
- Design of simplified array feed and its application for broadband antenna structures;
- Effect of polarization on the design of broadband antenna and antenna arrays.

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Message from the Editor-in-Chief

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