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Recent Advances in Electromagnetic Devices

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Message from the Guest Editor

Dear Colleagues,

This Special Issue explores the latest developments in the field of electromagnetic technology, focusing on innovations in design, materials, and applications. A central theme of this Special Issue is the optimization of device efficiency, miniaturization, and integration with other technologies. Here are some examples of the key advancements within this field:

- Metamaterials, which enable novel properties and functions not found in natural materials, leading to breakthroughs in antenna design, cloaking, and electromagnetic shielding.
- Wireless power transfer has gained momentum, allowing for efficient energy transmission over short and long distances with applications in consumer electronics and electric vehicles.
- Electromagnetic actuators and sensors, which have the potential to improve robotic systems, medical devices, and aerospace engineering.
- Optical devices and photonic devices such as lenses, mirrors, microscopes, fiber optics, imaging, sensing, lasers, solar energy harvesting, photodetectors, and biomedical research.

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Guest Editor

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Message from the Editor-in-Chief

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