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Innovations in Advanced Electromagnetic Devices, Materials and Processes for Environmental Protection and Energy Applications

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Message from the Guest Editor

Dear Colleagues

This Special Issue includes the following topics of interest, but is not limited to:

- Plasma and ozone technologies for the treatment of air, water, soil, crop and pest control; syngas production; and biofuel production;
- Energy-saving superconducting devices (cables, magnets, fault current limiter SFCLs, magnetic energy storage SMESs, transformers, bearings, machines and SQUIDs) and their applications;
- Electromagnetic technologies in the agriculture and food industry;
- All aspects of electromagnetic compatibility, the influence of electromagnetic fields, noise and vibration on living organisms, and environment monitoring;
- Renewable energy generation and storage facilities, quality, monitoring, consumption and management aspects for green energy;
- Novel micro- and macro-materials, electromagnetic materials and properties, dielectrics, ferroelectrics, and their applicability in environment protection and energy technologies;
- Advanced nanotechnologies and nanomaterials that rely on electromagnetic phenomena and their properties, energy-effective nanostructures, nanofluids for heat and energy applications, and functional materials.

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Message from the Editor-in-Chief

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