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Nanostructures for Electromagnetic Interference Shielding and Microwave Absorption

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Message from the Guest Editor

Dear Colleagues,

In the dynamic landscape of electronic devices, combating electromagnetic interference (EMI) and radiation (EMR) has emerged as a critical concern. Nanostructures, such as carbon, metal, and semiconductor nanomaterials, offer compelling avenues for mitigation. Our Special Issue is dedicated to exploring recent strides in EMI shielding and absorption through nanostructures. We invite submissions covering synthesis methodologies, comprehensive characterization, sophisticated modeling, and real-world applications to advance our understanding and application in this pivotal area of research.

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Guest Editor



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Special Issue



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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