Special Issue

Properties and Applications of Metamaterials

Message from the Guest Editors

In the last two decades, we have witnessed the rapid development of physics and applications in metamaterials. Metamaterials have received increasing attentions because of their multidiscipline properties, ranging from electromagnetics, photonics, mechanics, acoustics and thermodynamics. Enhanced wave–matter interactions in metamaterials enable outstanding applications, such as polarizers, absorbers, flat lenses, smart antennas, integrated lasers, topological devices and intelligent reflecting surfaces for communications. This Special Issue of *Nanomaterials*, "Properties and Applications of Metamaterials", aims to collect a compilation of articles that address both the theoretical challenges and latest applications in the development of metamaterials. Investigations cover all stages of the development process, ranging from a fundamental understanding of microscopic interactions and macroscopic effects to the devices' fabrication techniques and industrial applications. We look forward to receiving your valuable contribution in the form of a review, communication or academic article!

Guest Editors

Prof. Dr. Zuojia Wang

Dr. Yongmin Liu

Prof. Dr. Hongsheng Chen

Deadline for manuscript submissions

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Nanomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

mdpi.com/journal/nanomaterials

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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