Special Issue

Transformation Optics and Metamaterials

Message from the Guest Editors

This Special Issue invites contributions at the intersection of theory, materials science, and device applications, aiming to highlight both recent progress and future directions in transformation optics and metamaterials. The topics include, but are not limited to, the following:

- Analytical tools for electromagnetic characterization of meta-particles;
- Numerical algorithms for robust simulations;
- Effective geometry optimization procedures for meta-devices;
- Design of reliable application-oriented devices for modern communications.

Guest Editors

Prof. Dr. Nikolaos V. Kantartzis
Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece

Dr. Stamatios Amanatiadis
1. Department of Electrical and Computer Engineering, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece
2. Art Diagnosis Center, Ormylia Foundation, 63071 Ormylia, Greece

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

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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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