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## Advances in Metamaterials

Guest Editors:

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**Dr. Yanyu Chen**

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Deadline for manuscript  
submissions:

**closed (10 April 2022)**

### Message from the Guest Editors

Dear Colleagues,

Metamaterials are engineered materials/structures with novel characteristics that enable new material and device functionalities that cannot be achieved with conventional materials. The properties of metamaterials are defined by their assembled structures instead of their constituent elements. We can control the behaviors of metamaterials by the precise manipulation of the shape, geometry, size, orientation, material composition and distribution of their constituent elements. The investigation of metamaterials has progressed phenomenally in a wide variety of scientific areas, and various types of metamaterials have been achieved (electromagnetic, optical, elastic, acoustic, mechanical, thermal, etc.).

For this Special Issue, we invite all contributions related to the challenges in metamaterial research. The topics of the Special Issue include but are not limited to the concept, characterization, theory, simulation, structure design, fabrication, testing, optimization, application exploration and market analysis of metamaterials. Papers in the form of short communications, reviews and research articles are all welcomed for submission to this Special Issue.



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# Special Issue



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## Editor-in-Chief

**Prof. Dr. Alessandra Toncelli**

Department of Physics, University  
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## Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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