



## Functional Materials and Metamaterials

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Functional materials and metamaterials involve the cross-disciplinary fields of material science, surface engineering, advanced manufacturing, condensed matter physics, quantum theory, and more. Their properties continuously inspire the creativity of researchers. A variety of these materials have been designed and fabricated, such as functional ceramics, left-handed materials, photonic crystals, 2D materials, perovskites, and other materials with a bright application prospect. The fabrication generally involves multi-scale manufacturing processes such as precision machining, micro/nanofabrication, 3D printing, biochemical synthesis, and coating and deposition. New fabrication approaches with good flexibility and high productivity are desired for the emerging functional and metamaterials. Meanwhile, their performance evaluation and application in fields like energy, sensing, biomedical engineering, communication, and computing also need to be extensively explored.

This Special Issue aims to collect original research articles and reviews focusing on fundamental theories, function mechanisms, novel design strategies, advanced manufacturing approaches and new applications.





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## Editor-in-Chief

### Prof. Dr. Alessandra Toncelli

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## Message from the Editor-in-Chief

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