# **Special Issue**

## Thermal Metamaterials and Thermal Functional Devices

## Message from the Guest Editors

The purpose of this Special Issue is to highlight recent advances in thermal metamaterials and metadevices with dramatically engineered thermal properties and functionalities. Examples include heat flow manipulation, thermal management, engineered thermal emission. symmetry and topological properties in heat transfer systems, enhanced phonon transport in lowdimensional systems or across heterointerfaces, emerging macro/microscale thermal functionalities, practical applications of thermal metamaterials, etc. This Special Issue covers all aspects of thermal metamaterials and thermal functional devices, with an emphasis on understanding the role of ordered functional units, basic physics that determine metamaterials' functionality, novel design tools and manufacturing methods, numerical modelling, and experimental methods.

## **Guest Editors**

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## Deadline for manuscript submissions

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## Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## Editor-in-Chief

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