# Special Issue

# Chiral Materials

### Message from the Guest Editor

The interaction of light with chiral structures has recently become an important research topic owing to its fundamental physical importance as well as the high potential for diverse technological implementations. Nanostructured materials—metamaterials and metasurfaces—form promising routes for ultra-compact optical elements, thus providing extended control over new functionalities. Chiral structures are known to induce a different optical response for the illumination of right- and left-handed circular polarization or so called optical activity. While the chiral signature of natural materials is rather weak, the nanostructured materials have the advantage of enhancing the optical activity in several orders of magnitude, providing an intriguing platform for sensing and a novel type of light–matter interaction. In this Special Issue, the progress of current and novel research avenues in chiral materials and chiral light matter interactions will be discussed. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2021)

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### Message from the Editorial Board

*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.

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