

## Special Issue

# Liquid Crystal THz Photonics: Materials, Devices and Applications

### Message from the Guest Editor

In this Special Issue, recent advances in the field of liquid crystal THz photonics are presented. Topics include the optical properties of liquid crystals in the THz frequency range, design and synthesis of liquid crystals for THz applications, THz liquid crystal devices with liquid crystal enabled functionalities and their applications. Novel approaches with combination of liquid crystals and engineered materials such as metamaterials and photonic crystals are also covered.

- liquid crystal
- nematic
- isotropic
- lyotropic
- ferroelectric
- birefringence
- absorption
- terahertz
- far-infrared
- millimeter wave
- optics
- phase shifter
- photonics
- optical and photonic devices (polarizer, grating, beam deflector, filter, spatial light modulator)

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### Guest Editor

Prof. Dr. Ci-Ling Pan

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### Deadline for manuscript submissions

closed (31 October 2018)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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