



## Organic Crystals for Infrared and Related Applications

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### Message from the Guest Editors

Dear Colleagues,

This Special Issue is mainly devoted to organic crystals, which can be used for optics and optoelectronics in the infrared region, in particular for the Terahertz range, as well as research into their growth, structure and properties. We also invite authors who are engaged in the study of the new features of the crystallization of organic compounds, as well as the relationship between the structure of molecules, the structure of crystals, and their properties.

We consider the specific feature of this Special Issue to be the discussion of a new and most interesting application of organic crystalline materials: the generation of THz radiation with the use of femtosecond laser sources. The high nonlinearity of organic crystals has allowed us to obtain record conversion efficiencies. We invite all scientists working in THz photonics to discuss the prospects of the development and applications of organic THz photonics in this Special Issue.

Dr. Alexey Voloshin

Dr. Alexander Shkurinov

*Guest Editors*





## Editor-in-Chief

**Prof. Dr. Helmut Cölfen**

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## Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

*Crystals* is a good platform for dissemination of knowledge in this area.

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