

## Special Issue

# Advanced Piezoelectric Crystals of Languasite Family

### Message from the Guest Editor

The development and search for new promising materials of the lanthanum–gallium silicate (LGS,  $\text{La}_3\text{Ga}_5\text{SiO}_{14}$ ) group with unique thermal properties are very important for progress in acoustoelectronics based on the application of surface and bulk acoustic waves. Crystals of the lanthanum–gallium silicate group belong to the 32 symmetry class-like crystals of  $\text{SiO}_2$  piezoquartz. In this group, several hundreds of crystals can be synthesized which can find application not only in acoustoelectronics but also in acoustooptics, optoelectronics, magnitooptics, and magnetoacoustics. Materials of this group possess high thermal stability. This Special Issue intends to collect and disseminate results in the synthesis and study of properties of LGS family crystals. We welcome publications on topics ranging from crystal growth to studies of structure, piezoelectric, optical, and acoustic properties. Publications related to applications of these crystals in sensors and acousto- and optoelectronics will also be of special importance. We hope that this Special Issue of *Crystals* will bring together the latest results, making them available to a large number of researchers.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2021)



## Crystals

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## About the Journal

### Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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### Editor-in-Chief

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