





an Open Access Journal by MDPI

# Ti:Sapphire (Ti:Sa) Crystal: Properties Study and Application

Guest Editors:

#### Dr. Vladimir Chvykov

Center for Extreme Ultraviolet Science and Technology, Colorado State University, Fort Collins, CO 80523-1320, USA

### Prof. Dr. Bojan Resan

School of Engineering, University of Applied Sciences and Arts Northwestern Switzerland, 5210 Windisch, Switzerland

## Dr. Roland Nagymihaly

ELI-ALPS, ELI-HU Non-Profit Ltd., Wolfgang Sandner utca 3, 6728 Szeged, Hungary

Deadline for manuscript submissions:

closed (30 December 2021)

# **Message from the Guest Editors**

In this special issue, we are expecting a large interest in the engineering and scientific community and inviting original contributions containing new results in the fields of Ti:Sa crystals properties investigation, growth technology, Ti:Sa lasers (oscillators and amplifiers), and laser systems on a base of Ti:Sa crystals. The journal considers theoretical and experimental research in areas ranging from the fundamental properties of crystals to technology and applications.











an Open Access Journal by MDPI

## **Editor-in-Chief**

## **Prof. Dr. Alessandra Toncelli** Department of Physics, University of Pisa, 56126 Pisa, Italy

## **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.

### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

#### **Contact Us**