crystals

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.2

Investgation of Molecular by Terahertz Spectroscopy

Guest Editor:

Prof. Dr. Seung Jae Oh
YUMS-KRIBB Medical Convergence Research Institute, College of Medicine, Yonsei University, Seoul 120-752, Republic of Korea

Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editor

Terahertz spectroscopy has been regarded as a powerful technique to investigate molecular dynamics. Terahertz frequency region covers molecular collective motion energies such as rotational, translational, and vibrational motions, as well as hydrogen bond energy. Particularly, the hydration dynamics of molecules has been investigated using THz frequency because the weak binding energy of water is in this frequency region. Thus, it is very useful when it comes to studying the phenomenon of binding biomolecules to water.

We invite researchers to contribute to this Special Issue on the Investigation of Molecules via Terahertz Spectroscopy, which is intended to serve as a unique multidisciplinary forum covering broad aspects of science, technology, and the application of spectroscopy studies of molecules using terahertz frequency waves.

Potential topics include but are not limited to the following:

- Terahertz spectroscopy technology

- Terahertz spectroscopic imaging

- Polymer

- Biochemical materials

- Aqueous materials

- Water dynamics

- Semiconductor

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

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/crystals
crystals@mdpi.com
𝕏@Crystals_MDPI