



Investigation of Molecular by Terahertz Spectroscopy

Guest Editor:

Message from the Guest Editor

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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





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- Aqueous materials

- Water dynamics

- Semiconductor

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Message from the Editor-in-Chief

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