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Terahertz Vibrational Spectroscopy in Advanced Materials

Guest Editor:

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Message from the Guest Editor

Vibrational spectroscopy may be defined as an identification tool to measure the various vibrational energies related to atomic bonds, interactions, and structures in materials. It covers infrared (IR), Raman, and inelastic neutron spectroscopies. These spectroscopies have been extensively used to study elementary excitations in the THz range such as phonon, polariton, magnon, exciton, plasmon, boson peak, etc. Investigations of various solid-state excitations, molecular relaxations, and dynamic processes by these advanced spectroscopies in the THz range provide new insights into physics, chemistry, mineralogy, geology, biology, pharmacy, medical science, life science, and engineering.

This Special Issue will be devoted to the terahertz vibrational spectroscopy of these various fields for hard and soft materials. Original research papers and review articles are cordially invited for submission.



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Special Issue



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Message from the Editor-in-Chief

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