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Raman Scattering in Optical Crystals

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Message from the Guest Editor

The Raman effect, which was predicted theoretically by Adolf Smekal in 1923, was first reported in 1928 by Indian scientist C. V. Raman (the Nobel Prize in 1930) and his coworker [K. S. Krishnan](#) and independently by Soviet scientists [G. S. Landsberg](#) and [L. I. Mandelstam](#). Exactly 60 years ago, in 1962, stimulated Raman scattering was first discovered by E. J. Woodbury and W. K. Ng, providing the basis for a new type of lasers: Raman lasers. Currently, Raman scattering is one of the most useful tools for studying the structure of crystals and, at the same time, is an efficient method for the generation and nonlinear conversion of coherent radiation in optical crystals. This Special Issue on “Raman Scattering in Optical Crystals” intends to provide a unique international forum aimed at covering a broad area of Raman scattering for studying new optical crystals, as well as the characterization and application of optical crystals as functional media for lasers and nonlinear converters. Scientists and engineers working with optical, nonlinear, and laser crystals are invited to contribute to this issue.



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Special Issue



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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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