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Photoelasticity in Optical Media from Crystals to Amorphous Materials

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Message from the Guest Editors

Photoelasticity is a discipline allowing the analysis of crystal and general transparent media which was developed from crystallography and elasto-optic sciences. Its strength is due to the capability of photoelastic techniques to perform noninvasive analysis, aiming to conduct a qualitative and quantitative assessment of crystals and transparent media conditions. Photoelasticity directly measures the internal structural condition and stress state of the transparent media. Accordingly, photoelasticity is a powerful tool for quality control in a fast non-destructive way.

Accordingly, the present Special Issue welcomes papers that represent an effort to develop the theory, the methodology and the application fields of photoelasticity. Original papers, communications and reviews are encouraged to be submitted to the Special Issue, with a particular focus not only on the photoelastic theory, but also on transparent media studies and characterization, innovative applications and photoelastic techniques.



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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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