

Special Issue

Research Progress of Optical Fibers

Message from the Guest Editors

Optical fibers are quasi-one-dimensional functional materials that have become an essential part of the infrastructure as optical waveguide devices for transmitting information and energy. The rapid development of information technology, intelligent manufacturing, bio-engineering and other fields is bringing new challenges for fiber materials, which promotes the further development of optical fiber materials and devices. For example, in recent years, single-crystal fibers are gradually becoming a research hotspot, which combine the excellent physical and chemical properties of bulk crystals and the structural advantages of conventional fibers, showing great application prospects in the fields of high-temperature sensing, high-energy lasers, and radiation detection.

In this Special Issue, we aim to present and describe in more detail the current status of R&D in optical fiber materials and devices. Original research articles, short summaries, communications, and comprehensive reviews are welcomed.

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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.

Editor-in-Chief

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