

Special Issue

Fabrication of Special Optical Glass and Polymer Fibres

Message from the Guest Editors

In the past two decades, a significant number of applications have been developed, outside telecommunications, where optical fibers are rooted. Many of these applications are in the area of optical sources, sensors, and new transmission wavelength (UV, mid-wave IR, and long-wave IR). Some of notable applications already have already experienced significant commercial success and societal impact, e.g., fiber lasers/sources in industrial material processing and medical imaging, and fiber sensors in oil and gas and homeland security. Very often, the key developments are novel optical fibers, which incorporate and enable a number of new functionalities. This Special Issue will focus on research in the area of novel materials and fabrication techniques of silica, soft glass, and polymer optical fibers.

Keywords

- Optical fibers
- Optical fiber fabrication
- Silica ofibers
- Softglass fibers
- Polymer fibers
- Photonic crytal fibers
- Photonic

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About the Journal

Message from the Editor-in-Chief

Fibers is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.

We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

Editor-in-Chief

Prof. Dr. Martin J. D. Clift

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