Special Issue

Plastic Optical Fibers

Message from the Guest Editors

Plastic optical fibers (POF) have emerged from laboratories to real-world applications during the last few decades. Examples are optical bus systems for automotive applications and avionics, as well as short-range optical communication links for industrial automation, data centers, and home networks. Optical sensors for mechanical quantities in structural health monitoring or sensors for biochemical analyses are hot research topics becoming mature for field-tests and future products. Finally, optical fibers and waveguides made out of polymers find widespread applications in ambient illumination and display systems. This success is supported by the development of new materials and manufacturing methods for plastic fibers, including micro-structured and doped fibers.

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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.

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