



an Open Access Journal by MDPI

# **Plastic Optical Fibers**

Guest Editors:

#### Prof. Dr. Joseba Zubia Zaballa

Department of Communications Engineering, University of the Basque Country (UPV/EHU), Engineering School of Bilbao, Plaza Ingeniero Torres Quevedo, 1, E-48013 Bilbao, Spain

#### Prof. Dr. Rainer Engelbrecht

Polymer Optical Fiber Application Center (POF-AC), Technische Hochschule Nürnberg Georg Simon Ohm, Wassertorstr. 10, 90489 Nuremberg, Germany

Deadline for manuscript submissions: closed (30 November 2018)

## Message from the Guest Editors

Dear Colleagues,

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.









an Open Access Journal by MDPI

### **Editor-in-Chief**

#### Prof. Dr. Martin J. D. Clift

In Vitro Toxicology Group, Institute of Life Sciences 1, Swansea University Medical School (SUMS), Swansea SA2 8PP, Wales, UK

#### 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.

### **Author Benefits**

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), PubAg, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: CiteScore - Q1 (*Civil and Structural Engineering*)

### **Contact Us**

*Fibers* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/fibers fibers@mdpi.com X@JFibers