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Novel Optical Fibers, Devices and Applications

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Message from the Guest Editors

Optical fiber technology has achieved major advances in the last few decades, and has revolutionized key application fields, including those of communications, sensing, and lighting. To a large extent, the progress can be attributed to the continuous research efforts and resulting accomplishments for the realization of improved, new, optical fibers. Starting with the endeavor, in the early days, to fabricate fibers with good guiding characteristics, and continuing with the abiding interest in the design and fabrication of specialty fibers targeting specific applications, new fibers are at the forefront of emerging innovations. The aim of this Special Issue is to feature recent advances in the field of novel fibers, their devices and applications, in terms of, but not limited to, fiber material and properties, design and fabrication, light localization structures, fiber surface functionalization through sensitive materials and transducing techniques, and components and sensing systems.

It is our pleasure to invite you to contribute original full research papers, short communications, and state-of-the-art reviews in this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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