

Novel Specialty Optical Fibers and Applications

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Message from the Guest Editors

Dear Colleagues,

Novel specialty optical fibers refer to optical fibers that have been engineered in materials and structures and been post-processed for novel functionalities and applications. The optical properties in novel specialty optical fibers can be manipulated to achieve optimum performance, resulting in numerous important applications. For example, photonic crystal fibers represent a versatile platform to integrate disruptive technologies for new applications. The holey structures allow flexible controllability in designing their waveguide properties, as well as feasibility in developing multifunctional devices for sensing applications.

This Special Issue aims to present the highlight of the latest applications for novel specialty optical fibers. Both original research papers and review papers that focus on the design, development, and applications of novel specialty optical fibers are welcome.

