



## Recent Advances in Hollow-Core Fiber Optics: Design, Fabrication, and Applications

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Deadline for manuscript  
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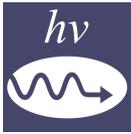
**closed (10 May 2025)**

### Message from the Guest Editors

We are pleased to announce this Special Issue, titled "Recent Advances in Hollow-Core Fiber Optics: Design, Fabrication, and Applications", dedicated to exploring recent developments in HCFs across all aspects of research and development. We invite submissions of original research papers and review articles presenting state-of-the-art advancements, technical breakthroughs, experimental demonstrations, and practical applications. Topics of interest include, but are not limited to, the following:

- Novel designs of HCFs;
- Low-loss HCF fabrications across all wavelengths;
- HCFs made of soft glasses and polymers;
- Interconnection between HCFs and traditional solid-core fibers;
- Characterization and properties of HCFs;
- Hollow-core fiber-based components;
- HCFs for high-power delivery systems;
- Applications of HCFs in gas lasers and gas sensing;
- Nonlinear effects in HCFs;
- Microwave photonics utilizing HCFs;
- HCFs in optical networks;
- Emerging applications demonstrated with HCFs.





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## Message from the Editor-in-Chief

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