



## Optical Fiber Communication: Prospects and Applications

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### Message from the Guest Editors

Dear Colleagues,

Optical fiber communication is a key technology for the development of modern information society. It has the advantages of high bandwidth, low attenuation, minimal latency, and high security. Optical fiber communication as the cornerstone of massive data transmission has been widely used to support various applications. However, with the rapid growth of data traffic and the increasing demand for high-quality services, the traditional optical fiber communication systems are facing many challenges, such as spectrum scarcity, network complexity, and energy efficiency.

This Special Issue welcomes original and high-quality research papers, review articles, and short communications that cover the above-mentioned topics, as well as other related topics in optical fiber communication. The submissions should demonstrate the novelty, significance, and potential impact of the research work, and provide sufficient details and references for the reproducibility and verification of the results. The submissions will undergo a rigorous peer-review process by the editorial board and the reviewers of this Special Issue.





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## Message from the Editor-in-Chief

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