

# Special Issue

## Rare Earth Doped Fiber Lasers

### Message from the Guest Editors

You are kindly invited to contribute to the Special Issue of the journal "*Photonics*" (SJR 2020: 0.67, Q2 in Atomic and Molecular Physics, and Optics, see <https://www.scimagojr.com/journalsearch.php?q=21100833027&tip=sid&clean=0>) dedicated to lasers based on rare-earth (RE) doped fibers and their applications. The aim of the Special Issue is collecting original research articles dedicated to scientific and technology innovations in all aspects of the development and application of different types of doped fibers and lasers. Review papers dedicated to the recent progress and important findings in the fundamental and applied research on doped fiber laser systems will be also appreciated. Topics of the Special Issue interest include, but are not limited to, the following:

- Materials science on fibers with different doping composition for lasing;
- Novel designs of RE-doped fibers for lasing;
- Novel architectures of lasers based on RE-doped fibers;
- Novel operation regimes of RE-doped fiber lasers;
- Frequency conversion of radiation generated in RE-doped fiber lasers.
- Novel practical applications of RE-doped fiber lasers.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2022)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).