

# Special Issue

## Rare-Earth-Doped Fiber Lasers and Amplifiers

### Message from the Guest Editor

The aim of this Special Issue is to collect interdisciplinary contributions on rare-earth-doped fiber lasers and amplifiers. Technical topics include but are not limited to the following:

- Optical materials and rare earth doping;
- Fiber laser technology;
- Modeling of rare-earth-doped lasers and amplifiers;
- Amplified spontaneous emission (ASE) sources;
- Novel pumping schemes of rare-earth-doped lasers and amplifiers;
- Medium infrared lasing in rare-earth-doped optical fibers;
- Short and ultrashort pulse fiber lasers;
- Rare-earth-doped microresonators;
- Application of rare-earth-doped lasers and amplifiers to material processing, industrial applications, imaging, medical diagnosis/ therapy, sensing, and so on.

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### Guest Editor

Prof. Dr. Francesco Prudenzano

Department of Electrical Engineering and Information, Entries  
Polytechnic University of Bari, Via Orabona, 4-70125 Bari, Italy

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### Deadline for manuscript submissions

closed (30 June 2022)



## Photonics

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*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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