



## Rare Earth Doped Fiber Lasers

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Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### 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.

