



Laser Technology and Applications

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Message from the Guest Editor

Dear Colleagues,

Laser technology is one of the great achievements of the 20th century. Over the past 50 years, due to the rapid development of laser technology and applications, significant breakthroughs have been made in basic scientific research such as laser cooling, semiconductor lasers, optical frequency combs, laser interference gravitational wave detection, chirped pulse amplification, and optical tweezers. At the same time, a series of new interdisciplinary and technological applications have been raised by laser technology, including laser spectroscopy, laser chemistry, quantum optics, ultrafast photonics, nonlinear optics, laser medicine and biophotonics, information optoelectronics, laser advanced manufacturing technology, laser controlled nuclear fusion technology and so on. Researchers are invited to submit their contributions to this Special Issue. Topics include, but are not limited to:

- High-power laser
- High-brightness laser
- Ultrashort pulse laser
- Attosecond laser technology
- Narrow linewidth
- Single-frequency laser
- Frequency combs
- Ultraviolet laser
- Mid-infrared laser
- Semiconductor lasers

