



## Advancements in Semiconductor Lasers

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### Message from the Guest Editors

Semiconductor lasers have been used in many different fields, including communications, healthcare, sensors, defense, display, optical storage devices, printing, industrial system manufacturing, and more. A great deal of exciting research and development is continuing to improve performance and meet the growing demand for semiconductor lasers. The development of new materials extends the laser wavelength from UV to mid-infrared range and improves reliability. Miniaturizing light sources and integrating III/V semiconductor devices onto silicon photonics enhances the functional capabilities of integrated photonic technology.

The objectives of this Special Issue are to report the advances in semiconductor lasers. Topics of interest include, but are not limited to:

- Growth and fabrication quantum well/wire/dot/dash materials and devices.
- Mid-infrared to THz emitting sources.
- Miniaturized light sources.
- Integration of III/V semiconductor devices.
- Theory and numerical simulation of semiconductor lasers.
- Laser dynamics and stability of semiconductor lasers.

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

