



## Novel Applications of Solid-State Laser and Future Prospects

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

This Special Issue will cover all new advancements in solid-state lasers, which play an essential role in many fields in science, industry, and daily life. Laser sources with flexible wavelengths and pulse capabilities will provide significant improvements in the science and performance of many applications.

Articles can include recent advances in both material and source aspects of solid-state lasers. Material aspects include new laser gain media and its characterization and resonator components, while energy, power, and brightness scaling are among the key areas in terms of advances in sources, which include lasers as well as other high-brightness pump sources for solid-state lasers. This Special Issue will feature original research articles as well as reviews.

- laser crystals
- rod lasers
- slab lasers
- resonator
- diode pumping
- LED pumping
- high-brightness pump sources
- saturable absorbers
- damage threshold
- wavelength tuning
- single-frequency operation
- Q switching

