

Special Issue on
Recent Laser Research in Dentistry and Challenges

CALL FOR PAPERS

Lasers have been used in dentistry for over 30 years. Since their introduction to the dental profession, applications for and research on lasers in dentistry continue to expand. Recent developments in technology and differing wavelengths are creating a host of innovative treatments using various dental lasers.

Dental lasers are now well established instruments. Every discipline of dentistry can benefit from the use of these modern devices. The ability to perform less invasive procedures with greater patient comfort makes laser future potential even greater.

The primary purpose of this special issue is to provide and discuss a science-based perspective on several increasingly uses for dental lasers.

We call for high quality original research articles as well as review articles focused on the use of lasers in the fields of dental science, and also on challenges and future requirements for lasers in dentistry (e.g., wavelengths, power and energy, and light-matter interaction).

Potential topics include but are not limited to the following:

- ▶ Mechanism of laser action
- ▶ Common laser types used in dentistry
- ▶ Laser-tissue interactions
- ▶ Soft tissue applications
- ▶ Hard tissue applications
- ▶ Preventive dentistry
- ▶ Restorative dentistry
- ▶ Nondestructive testing of dental constructs
- ▶ Oral diagnosis/oral medicine
- ▶ Biostimulation
- ▶ Laser regulation and safety in general dental practice

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijo/lade/>.

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