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Advanced Laser Phototherapy: Sensing and Applications

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Message from the Guest Editors

Lasers have been used in different therapy fields like dermatology, ophthalmology, dentistry and cancer therapy. Different physical processes are involved, depending on the wavelength being used, laser operation mode (continuous or pulsed), intensity and dose (or fluence) being applied. Ablation, photochemical and thermal interactions are the main mechanism than can be involved. Besides, the recent advances in nanotechnology have opened new possibilities for laser phototherapy techniques, using the phenomena of surface plasmon resonance to mediate the interaction processes.

This Special Issue of *Sensors* will address the sensing techniques and methodologies used in the research and development of advanced laser phototherapy processes, including (but not limited to) guiding strategies, monitoring and evaluation sensing. Submissions regarding the development of sensors with potential application for laser phototherapy are also welcome.



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Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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