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Advanced Laser Phototherapy: Sensing and Applications

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Deadline for manuscript submissions:

closed (20 January 2023)

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

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