



Optical and Quantum Electronics: Physics and Materials

Guest Editor:

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Message from the Guest Editor

The field of optical and quantum electronics is one of the pillars of current technology and scientific development. The generation, control and detection of electromagnetic radiation in the submillimeter regime have become ubiquitous in everyday devices and research laboratories.

Moreover, the technological evolution shall continue depending to a large extent on the progress in this field, which comprises an ample portfolio on the physics of semiconductors, metals, semimetals, insulators, generation and detection of electromagnetic radiation, characterization of physical properties through the use of light as a probe or by its emission in excited materials, laser technology, and sensors, where quantum phenomena play a central role. Recent developments in the area of light-energy and energy-light conversion entail luminescent and upconversion materials, semiconductor lasers and LEDs, broad-wavelength light detectors, and imaging and plasmonic devices.

Therefore, for this Special Issue, contributions on the above-mentioned OQE items are invited, which may be in the form of letters, comments, regular articles or state-of-the-art reviews.





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Message from the Editor-in-Chief

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