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Photothermal Therapy of Nanomaterials

Guest Editor:

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Message from the Guest Editor

The extraordinary light-to-heat conversion property of nanomaterials (e.g., magnetic nanoparticles, plasmonic nanoparticles, etc.) can be utilized for realizing a new generation of minimally-invasive therapies for treating cancer and other incurable diseases. Bio-transparent optical radiations (700–900 nm) have been combined with engineered and functionalized nanomaterials for developing the so-called photo-thermal therapies. Both in vitro and in vivo studies have reported flourish achievements, although further research is needed. This Special Issue is devoted to overview both fundamental theories and advanced applications of nanomaterials as efficient nano-source of heat remotely controllable by light. We invite investigators to contribute with review and original papers reporting recent efforts in the field of nanomaterials based photo-thermal therapies.





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Editor-in-Chief

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Message from the Editor-in-Chief

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