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# **Luminescent Nanoparticles for Light Sources and Theranostics**

Guest Editor:

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Deadline for manuscript submissions:

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# **Message from the Guest Editor**

Dear Colleagues,

Luminescent crystalline dielectric nanoparticles doped with rare earth ions and nanodiamonds with color optical centers have been attracting attention as a new class of drugs combining properties for both diagnostic and therapeutic effects. One prospective research area is finding ways to significantly increase the luminescence efficiency of the rare-earth-doped nanoparticles will enable application in bio-imaging. their actual prospective research area is related to the ability of nanoparticles to locally heat bio-tissues under laser excitation, allowing the possibility of them being used as high-precision thermal noninvasive sensors physiological temperature range. Last, but not least, an important problem to be solved in application is in elimination of the effects of agglomeration of single aqueous colloidal solutions into nanocrystals in aggregates.

The purpose of this special collection of papers is to introduce the reader to new approaches for the improvement of the physical, optical, and luminescent properties of crystalline nanoparticles. Both original papers and reviews are welcome.









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### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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