



Advances in Nanocomposite Luminescent Sensors

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Message from the Guest Editor

Nanocomposite materials exhibit different properties from both individual atoms and bulk properties in a material. Understanding both physical and chemical characteristics of the materials lead to fabricating various luminescent nanocomposites with enriched host-guest features tailored for the detection of various chemical and biological samples. Because of the variety of the topics covered on luminescent nanocomposites in terms of pore structure with designed morphology, compositional variations, surface properties and functionalities, there is a great deal of interests in materials modification to tailor unique and stable luminescent sensors for industrial, environmental, and biomedical applications.

We invite active scientists and engineers with research interest focused on nanocomposite materials as luminescent probes to contribute to this special issue *with* original research papers, short communications, and critical reviews.

Keywords:

- luminescent sensors
- nanocomposites
- fluorophores
- guest-host
- nanoparticles
- luminescent chemosensors
- biosensing and bioimaging
- metal ion detection
- cell tracking





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Message from the Editor-in-Chief

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