



Optical Materials: Molecular Advances of Their Synthesis, Properties and Medical Applications

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Message from the Guest Editor

Dear Colleagues,

Optical materials are unique materials that interact with light from a very wide range of wavelengths. They are used as scintillators, lasers, and phosphors. Among the huge number of laser devices, laser probes and sensors used in biology and medicine deserve special attention. Laser devices are used by the biomedical community to study numerous problems in cell biology and genetics, e.g., in bio-imaging. Lasers are also used in medical diagnosis and treatment, e.g., for in vivo optical imaging and to selectively destroy cancers.

This Special Issue entitled “Optical Materials: Molecular Advances of Their Synthesis, Properties and Medical Applications” is focused on molecular synthesis methods and mechanisms as well as molecular structure characterization of optical materials in biology and medicine.

This Special Issue aims to collect the featured research on specific molecules that reveals the relationship between the microscopic molecules and the macroscopic properties of the corresponding optical materials.





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Message from the Editor-in-Chief

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