

## Special Issue

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

### Message from the Guest Editor

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.

### Guest Editor

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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