



Optical Materials

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Deadline for manuscript submissions:

closed (30 September 2019)

Message from the Guest Editors

Research devoted to optics has been growing rapidly in the past decades together with numerous applications in many industrial fields (lightings, photovoltaics, sensors, etc). In order to provide a brief insight into the very latest achievements in the optical area, a Special Issue of the Molecules journal will be dedicated to optical properties in solids. This issue targets the molecular, inorganic and organic-inorganic hybrid compounds and composites, with a focus on the relationship between the structure and properties. In that context, experimental as well as theoretical contributions will be appreciated.

This Special Issue will cover several domains in optics, e.g., luminescence, transparent conductive oxides (TCO), X-chromic materials (e.g., photochromism and electrochromism), pigments, UV-absorbers, IR reflectors, etc. This issue wishes to exhibit the strengths of modern experimental synthesis, characterizations and applications of optical activities together with the intake of modelling tools used as super probe to rationalize properties or help in the conception of optical materials (bulk, nanoparticles, thin films).





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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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