Special Issue

Recovery and Optical Application of Noble Metals Compound

Message from the Guest Editors

Noble metals (NMs) represent global valuable and strategical assets and play a critical role in a wide range of conventional as well as high-tech fields. Specifically speaking about optical applications, NM complexes have largely been demonstrated to behave when properly designed, as photoactive moieties where light-induced functions can be changed by modification of the ligands with an impact on electron and energy transfer processes addressed at molecular switching, signaling, and energetics. The high quest of NMs coupled with the increasing risk of shortage in the supply, make these metals critical elements and their recovery from scraps highly appealing for economic and environmental purposes. In this framework, this Special Issue of Molecules is devoted to collecting valued contributions on: i) sustainability in NM recovery and recycling via waste enhancement to secondary resources, and ii) molecular engineering of NM complexes to achieve linear and nonlinear optical and stimuli-responsive properties. All scientists working in these fields are warmly invited to submit their works in this Special Issue.

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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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