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 lightinduced 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.



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/55925

Molecules Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 molecules@mdpi.com

mdpi.com/journal/

molecules

Guest Editors

Prof. Dr. Paola Deplano External Collaborator at Università degli Studi di Cagliari, Cagliari, CA, Italy

Prof. Dr. Angela Serpe

Department of Civil and Environmental Engineering and Architecture (DICAAR), University of Cagliari; research unit of INSTM and Environmental Geology and Geoengineering Institute - National Research Council (IGAG-CNR), Via Marengo 2 - Cagliari, Italy

Deadline for manuscript submissions

closed (15 August 2021)





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



molecules



About the Journal

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).