

an Open Access Journal by MDPI

Chemical Consequences of XUV/X-ray Laser-matter Interactions

Guest Editor:

Dr. Libor Juha

Department of Radiation and Chemical Physics and the PALS (Prague Asterix Laser System) Research Center, Institute of Physics of the Czech Academy of Sciences, Na Slovance 2, 182 21 Prague, Czech Republic

Deadline for manuscript submissions:

closed (15 October 2022)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is intended to shed light on chemical changes initiated by extreme ultraviolet, soft X-ray, and X-ray lasers and other sources delivering intense short-wavelength electromagnetic radiation. Starting from a brief history of short-wavelength lasers and early attempts to use them in the molecular sciences, a broad overview of the current status of such research will be provided in the issue to reveal and estimate a potential of these new sources in radiation chemistry, molecular radiation biophysics, and related disciplines of radiation and molecular sciences.

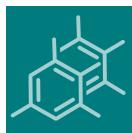
Dr. Libor Juha

Guest Editor



mdpi.com/si/90934

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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 \(Organic Chemistry\)](#)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[@Molecules_MDPI](https://twitter.com/Molecules_MDPI)