

Special Issue

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

Message from the Guest Editor

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.

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

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

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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