Special Issue

Photosensitive Molecular Switches: From Isolated Molecules to Processes

Message from the Guest Editor

This Special Issue aims to collect original scientific articles and reviews from various topics related to the photosensitive molecular switches acting in solvents, polymers, aligned media, or on various surfaces and at interfaces and on reversibly actuating their properties upon exposure UV/vis light. Examples of acceptable research topics include (but are not limited to) experimental, theoretical, and joint studies on processes in: -Single-molecules devices; -Self-assembled photoresponsive monolayers; -Photosensitive polymers; -Photochromes and their complexes with metals for biomedical applications; -Light-programmable control of wetting; -Light-driven particle and droplet transport; -Photo-controlled stability of various phases. The creation of moleculer switches is of great importance to the nanotechnological world, but we believe that their greatest moments are yet to come.

Guest Editor

Dr. Olga Guskova

Material Theory and Modeling Group, Institute Theory of Polymers, Leibniz-Institute of Polymer Research Dresden, 01069 Dresden, Germany

Deadline for manuscript submissions

25 September 2025

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/si/137650

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

mdpi.com/journal/processes

Processes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5

mdpi.com/journal/processes

About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))