

## Special Issue

# Synthesis, Characterization and Application of Polymer-Based Materials, 2nd Edition

### Message from the Guest Editors

The aim of this Special Issue of *Molecules* is to present a selection of research papers and reviews exemplifying the new trends in the synthesis, characterization, and application of PBMs. Potential topics include, but are not limited to, the following:

- Synthesis of polymer-based materials with tailored properties;
- Structure-properties relationship in polymer-based materials;
- Advanced characterization of polymer-based materials;
- Non-conventional processing of polymer-based materials;
- Polymer-based materials with natural and/or biodegradable constituents;
- Polymer-based materials as supports for bioactive molecules;
- Applications of polymer-based materials in biology, medicine, or food industries;
- Stimuli-responsive polymer-based materials;
- Polymer-based materials in engineering and electronics.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2026)



## Molecules

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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#### Journal Rank:

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).