

## Special Issue

# Studies in Polymer Degradation

### Message from the Guest Editors

With this Special Issue of *Molecules*, we invite the academic community to submit original articles, reviews, and short communications on topics such as degradation mechanisms (thermal, photochemical, chemical, enzymatic, and biological), new analytical methodologies for monitoring degradation and characterizing by-products, the degradation of sustainable polymers, including biopolymers and oxodegradable plastics, environmental impacts and innovative solutions for recycling and upcycling, and computational modelling and simulations to predict the behaviour of degradable polymers. We hope to contribute not only to highlighting the current state of polymer degradation, but to advancing this multidisciplinary field by encouraging innovative solutions to the scientific and technological challenges of polymer degradation.

### Guest Editors

Dr. Anna Raffaella de Matos Costa

Prof. Dr. Edcleide Maria Araujo

Dr. Bastos Y. M. De Almeida

### Deadline for manuscript submissions

15 November 2025



## 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 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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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