

## Special Issue

# Application of Analytical Chemistry in Food Science

### Message from the Guest Editors

This Special Issue on the “Application of Analytical Chemistry in Food Science” highlights the crucial role of advanced analytical methods in maintaining and improving food safety, quality, and authenticity. It emphasizes research that connects innovative analytical techniques with practical applications in food science. Key topics include the development and optimization of methods for detecting contaminants or food components of special interest (i.e., bioactive compounds), as well as studies on food authenticity and traceability, which are essential for combating food fraud, ensuring compliance with regulations, and building consumer trust. This Special Issue welcomes contributions that utilize cutting-edge techniques, including spectroscopy, chromatography, and advanced real-time monitoring tools. Additionally, it encourages research on the analysis of functional compounds, nutritional profiling, and process optimization. Particular attention is devoted to research focused on sustainability into food analysis, promoting the innovative use of byproducts from food industries, waste reduction, and alignment with circular economy principles.

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### Guest Editors

Dr. Sabrina Moret

Dr. Laura Barp

Dr. José Pinela

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### Deadline for manuscript submissions

30 September 2025



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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