

## Special Issue

# Innovative Chemical Approaches in Food Safety, Food Analysis, and Food Quality

### Message from the Guest Editors

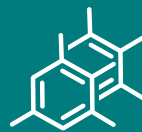
Food safety is associated with human health and significantly affects global public health in developing and developed countries. The complexity, cumulative nature, and diversity of food safety aggravate the risks of global governance. Innovative chemical approaches in food safety and food analysis have revolutionized food packaging and preservation by enhancing the shelf life, safety, and quality of food products. Key advancements include active packaging, which incorporates antimicrobial agents to prevent contamination; intelligent packaging that monitors food conditions in real-time; and biodegradable materials that reduce environmental impact. In food preservation, natural preservatives, natural products, plant extracts, and functional materials effectively inhibit spoilage and pathogens without compromising food quality. Monitoring and detecting food safety and quality through chromatography techniques, these methods study food safety from a chemical perspective, promising a future of safer, longer-lasting, and more sustainable food products.

### Guest Editors

Dr. Shahzad Zafar Iqbal  
Dr. Bilal Ahmed  
Dr. Elisabetta Torregiani

### Deadline for manuscript submissions

closed (30 June 2025)



## Molecules

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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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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