Special Issue

Current Advances in Environmental Analytical Chemistry

Message from the Guest Editors

This Special Issue aims to address cutting-edge advancements, methodologies, and applied research in analytical chemistry with a direct emphasis on understanding environmental pollutants. We welcome manuscripts that contribute to current and emerging analytical techniques, improving detection and quantification methods, assessing chemical exposure, or evaluating environmental pollution. Topics of interest include, but are not limited to, the following:

- Novel analytical methods for detecting environmental contaminants in multimedia samples (air, soil, water, etc.).
- Improvised methods for analyzing environmental hazardous chemicals (PAHs, POPs, heavy metals, and other emerging contaminants).
- Technique development for detection and measurement of environmental pollutants (atmospheric VOCs, sub-micron aerosols, atmospheric micro- and nano-plastics, etc.).
- New methods that introduce advanced chemometrics (chemical analysis and machine learning).
- Reviews of traditional analytical methods and suggestions of areas that require further development.

Guest Editors

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Deadline for manuscript submissions

closed (1 August 2025)

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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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