

## Special Issue

# Recent Advances in Raman and Surface-Enhanced Raman Spectroscopy in Biomedical Diagnostics

### Message from the Guest Editor

Recent advances in SERS and Raman technologies have focused on practical applications in cellular imaging, including drug screening, monitoring cellular signals, in situ sensing, and achieving high spatiotemporal resolution bridging the gap between fundamental research in SERS and Raman and their practical applications in cell biology. Furthermore, in lipid studies, SERS has been applied in investigating protein-membrane interactions in biological processes. The goal here is to identify applications that highlight the versatility and promise of SERS and Raman technologies in advancing biomedical diagnostics and understanding fundamental biological mechanisms and biomedical diagnostics. In this Special Issue, original research articles and comprehensive reviews are welcome.

### Guest Editor

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### 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 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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