

## Special Issue

# Recent Advances in Volatile Organic Compound Analysis as Diagnostic Biomarkers

### Message from the Guest Editors

Volatile organic compounds (VOCs) are a diverse group of carbon-based molecules which are volatile at ambient temperatures and are emitted by an organism as a result of metabolic processes of cells and associated microbiome. The qualitative and quantitative profile of VOCs in biological fluids can vary depending on the physiological changes. Therefore, the pattern of volatile metabolites may reflect the presence of several diseases. This has been intensively investigated in the last few decades, resulting in an increasing number of studies focused on new volatile biomarker discovery.

This Special Issue aims to summarize the recent findings related to VOCs detected in various biological fluids such as breath, blood, urine, feces, as well as bacterial and cell cultures for biomedical applications. The Special Issue will be covering various topics, including but not limited to biomedical/medical application of VOC analysis, biomarker discovery, and novel approaches for sampling and analyzing VOCs.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2021)



## 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

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