

Special Issue

Air Purification: Control of Volatile Organic Compounds and Carbon Dioxide

Message from the Guest Editor

Volatile organic compounds (VOCs) and carbon dioxide (CO₂) emitted from both anthropogenic and natural sources pose significant health risks and environmental impact, while CO₂ plays an important role in driving global warming. The effective control and purification of VOCs and CO₂ are essential for creating healthier indoor environments, mitigating outdoor air pollution, and addressing climate change. This Special Issue focuses on the latest advances, technologies, and strategies in air purification to manage VOCs and CO₂. Topics include, but are not limited to, innovative adsorption materials, catalytic oxidation methods, photocatalysis, biofiltration, and advanced membrane technologies. We invite contributions from researchers, practitioners, and policymakers to share original research and review articles. This platform aims to foster collaboration and innovation to address the challenges of VOC and CO₂ management in diverse environments.

Guest Editor

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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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