Special Issue

Ultrasound, Sonochemistry and Innovative Separation Technologies Applied to Chemical and Environmental Engineering

Message from the Guest Editors

In the context of moving toward green processes and lowering carbon emissions related to chemical and environmental engineering, innovative separation technologies and ultrasound-assisted techniques are today being presented as promising alternatives for conventional processes in wastewater treatment, synthesis, material science, and beyond. The present Special Issue aims to gather in one place a panoply of recent innovations in separative and ultrasound-based processes applied to chemical and environmental engineering, including, for instance, adsorption, sonophysical effects, and sonochemistry. Papers dealing with theoretical approaches, numerical modeling and simulation, experimental investigations, and proofs of concept are welcome. Studies highlighting aspects of greener processes are highly encouraged. The papers published in the present Special Issue are expected to be of interest to a wide multidisciplinary scientific community, ranging in focus from chemistry, physics, and chemical and environmental engineering to material science.

Guest Editors

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Deadline for manuscript submissions

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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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