Special Issue

Supercritical Techniques and Green Chemistry

Message from the Guest Editors

In recent decades, there has been an important increase in the rapidity of the development of new processes using supercritical fluids. From the initial development of extraction processes using carbon dioxide, we have moved on to the generation of new materials and the study of new processes using this technology. This Special Issue of *AppliedChem* will focus on "Supercritical Techniques and Green Chemistry". We are open to contributions (original research articles and high-quality reviews), covering the challenges and achievements in the study of new green processes using supercritical fluids. We want to draw attention to research involving the use of supercritical fluids as a solvent or as a reaction medium for the generation of high value-added products in various industrial sectors (biomedical, food, energy, waste treatment, construction...). Research areas may include (but are not limited to) the following:

- Supercritical fluid extraction;
- Supercritical fluid impregnation;
- New materials produced by supercritical fluids;
- Reactions in supercritical fluids.

We look forward to receiving your contributions.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Impactful chemistry often arises from the marriage of disparate chemical themes and fundamental concepts to focus on an important application and can feature collaborations across the sciences, industry, and beyond. This open access journal, *AppliedChem*, has been created to provide a new home for chemistry research that affords wide-ranging and substantive solutions to current and future global challenges. The broad scope of the journal will enable the best collaborative and targeted chemistry to be exhibited and new applications to be revealed.

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.5 days after submission; acceptance to publication is undertaken in 5.6 days (median values for papers published in this journal in the first half of 2025).

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