

Special Issue on
Reactive Extraction of Organic Acids from Aqueous Solutions: Innovative and Intensification Methods

CALL FOR PAPERS

In the last few decades the design of green, efficient, and sustainable extraction methods has been a well-established research area and it finds several applications in many scientific fields. Recent trends in extraction techniques have largely focused on finding solutions that minimize the use of raw material, energy, solvents, and downstream processing. An overview on the advancement of reactive extraction technologies and sustainable processes will serve as bridge for connecting scientists and experts from industry and academia within and across several disciplines. Several technologies are available and the best method to use depends on the desired physicochemical characteristics of the final product, its commercial value, and annual production size.

Aim of this special issue is to shed light on the most recent advances from lab scale to industrial production of organic acids. Besides, this issue has the objective of describing analytical methods in existing studies and applications of conventional and innovative analytical techniques, solvents, and procedures for the extraction of organic acids.

There is a need for comprehension if these conventional, innovative, and intensified techniques will enhance the extraction of organic acids in term of yield and purity. Another important point is regarding the degradation, favorable or not, of organic compounds, caused by extraction techniques used.

Potential topics include but are not limited to the following:

- ▶ Analytical methods in reactive extractions
- ▶ Analytical techniques such as HPLC, GC, FTIR, and so on
- ▶ Analytical separations
- ▶ Extraction technologies of organic acids
- ▶ Innovative extraction techniques
- ▶ Process intensification in extraction
- ▶ Novel separation and purification processes
- ▶ Green and clean extraction
- ▶ Alternative solvents
- ▶ Sustainable applications
- ▶ Thermal and chemical stability of product
- ▶ Environmental remediation

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