Special Issue

Extraction Application: Mechanism and Influencing Factors

Message from the Guest Editor

Extraction is a key separation process in the chemical industry, and it is crucial that its mechanism and influencing factors are understood if extraction processes are to be designed and optimized. The mechanism of extraction depends on various factors, such as the type of solvent used, the solubility of the target compound in the solvent, and the temperature and pressure conditions. The process can be governed by diffusion, mass transfer, and chemical reaction kinetics. The influencing factors requiring analysis in order to obtain desired separation efficiency, yield, and purity of the target compound can include the properties of the solvent, such as its polarity and selectivity; the properties of the feed material, such as its particle size and composition; and the operating conditions, such as the temperature, pressure, and flow rate. Above all, we set up this special issue aiming to collect some advances in the following topic but not limited to:

- New extractions techniques;
- The applications of extraction techniques;
- Extraction mechanism;
- Influencing factors and related applications.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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