Special Issue

Sorption Separation

Message from the Guest Editor

The generation and release of waters containing dissolved metals and organic contaminants is an environmental problem of international scale and there is an urgent requirement to evaluate treatment technologies able to remove these xenobiotics from wastewaters. Sorption separation is especially applied to the treatment of effluents with low contaminants concentrations and various kinds of materials (both synthetic and natural origin) can be used as sorbents. However, for cost-effective, high-performing and eco-friendly sorption separations of contaminants from diluted solutions and liquid wastes there is need to understand the process from point of view: mechanism, kinetic, equilibrium, competition with co-sorbates in multicomponent sorption systems. To characterize all these aspects empirical and modern design or prediction approaches can be used. As of this Special Issue of Separations, I will invite researchers to provide their recent advances on the various aspects of sorption separations in environmental applications.

Guest Editor

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

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