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Sorption Separation

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

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 Guest Editor 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.

Dr. Martin Pipíška
Guest Editor

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Message from the Editor-in-Chief

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