Special Issue

Preparative Chromatography of Aqueous Solutions

Message from the Guest Editors

Preparative chromatography has in many cases an exclusive role in the production and purification of various substances, sometimes being the only useful method of isolating them from a mixture. The target substances can be organic and inorganic, nonpolar, polar or charged ones, contained in different matrices ranging from laboratory to industrial scale. If possible, there is an attempt to use a continuous chromatography method instead of a batch one, also called conventional or batch chromatography. The continuous methods usually come with higher efficiency and lower eluent consumption, but they are more complex as regards the construction and control of equipment, so process modeling, simulations, and various higher control systems are preferably used in the design and operation of these interesting separation processes.

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