Special Issue

Green Separation and Extraction Processes

Message from the Guest Editors

The concept of unit operations over time and subsequent concepts in chemical technology has evolved into a unified field of separation processes and sustainability in this field is of particular interest. The idea in the present issue (according to the green chemistry principles) is to design processes to maximize the amount of raw materials in products, while being environmentally safe and energy efficient, and avoiding waste production. It should be noted that two contrasting perspectives have been adopted in the area: one states that continued extraction of non-renewable resources is a necessary part of sustainable development, whilst the other states that extraction of these resources must be greatly reduced or even eliminated. Green technologies are environmentally friendly operations that limit the negative impacts of traditional industrial activities and can contribute to addressing the challenge of sustainable management.

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