

Special Issue

Advances in Gas Separation Technologies for Green Process Engineering

Message from the Guest Editors

Separation or purification in gaseous streams has been considered as an important aim, involving a large number of research fields and funded projects around the world. These targets have evolved in the last decades and maintains their importance in research related with the chemical industry, and have mainly been boosted to address technological issues and international regulations such as the carbon dioxide processes of separation or capture, hydrogen purification, or volatile organic compounds removal. These are important aspects so that the industry can meet the challenge of sustainability with energy efficiency, renewable energy use, and resource optimization. Present Special Issue attempts to show the current situation of the development and application of new technologies for gases separation and purification, from the laboratory to uses at higher-level scales such as demonstration plants.

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