

Special Issue

Advances in Biogas Desulfurization

Message from the Guest Editor

The use of biogas is increasing in an effort to reduce the consumption of non-renewable energies. Biogas is an interesting renewable energy sources produced by the biodegradation of organic matter under anaerobic conditions. Its composition depends on the feedstock type and digestion system. Biogas is a gas rich in methane and carbon dioxide, however, numerous other compounds are also found, such as hydrogen sulfide, ammonia, volatile organic compounds, etc. For all applications (heat and power production, injection into natural gas grid, fuel for solid oxide fuel cells, biogas reforming, vehicle fuel, etc.) the hydrogen sulfide concentration needs to be reduced because its produces corrosion, damages equipment and sulfur dioxide emissions in biogas combustion. This Special Issue is open for all contributors in the field of biogas desulfurization. Biogas desulfurization is seen as essential by many stakeholders (biogas producers, suppliers of biogas upgrading devices, gas traders, researchers, etc.) around the world, who knows the importance of biogas desulfurization to allow its valorization.

Guest Editor

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Message from the Editor-in-Chief

ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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