ChemEngineering

IMPACT FACTOR 3.4

CITESCORE 4.9

an Open Access Journal by MDPI

Advances in Biogas Desulfurization

Guest Editor:

Dr. Martín Ramírez
Department of Chemical Engineering and Food Technologies, Wine and Agrifood Research Institute (IVAGRO), Faculty of Sciences, University of Cádiz, 11510 Puerto Real, Cádiz, Spain

Deadline for manuscript submissions:
closed (30 April 2019)

Message from the Guest Editor

Dear Colleagues,

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.

ChemEngineering

IMPACT FACTOR 3.4

CITESCORE 4.9

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Mario J. Muñoz Batista
Department of Chemical Engineering, Faculty of Sciences, University of Granada, Avda. Fuentenueva, s/n, 18071 Granada, Spain

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (Engineering, Chemical) / CiteScore - Q1 (General Engineering)

Contact Us

ChemEngineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ChemEngineering
chemengineering@mdpi.com