

## Special Issue

# Use of Unconventional Solutions for the Production of "Green Gas" in Terms of Environmental, Economic and Innovative

### Message from the Guest Editors

Dear all, The characteristic microflora of polydisperse substrates can be used in the biogas production process. The practical application of organic carriers in the form of a bed in "ex-situ" and "in-situ" conditions results in a more favorable use of substrates for the production of agricultural biogas in the context of renewable energy. The hydrodynamic conditions resulting from the permeability of porous materials are knowledge based not only on the assessment of gas flow through these materials, but also the related losses to the energy in this flow. The analysis of hydrodynamic phenomena occurring in a porous material with a skeleton structure allows to confront experimental research with numerical CFD calculations. This Special Issue focuses on unconventional techniques, methods and technologies for the production of biogas, biomethane, biohydrogen from biomass, bio-waste, sewage sludge and coal. For the successful production of "green gas" with ecological calorific value, it is necessary to develop new models or concepts from an environmental, economic and innovative aspect.

*More information, please scan the QR code.*

### Guest Editors

Prof. Dr. Grzegorz Wałowski

Institute of Technology and Life Sciences—National Research Institute, Poznan Branch, 3 Hrabaska Avenue, Raszyn, 05-090 Falenty, Poland

Prof. Dr. Adam Smoliński

Central Mining Institute, Plac Gwarkow 1, 40-166 Katowice, Poland

### Deadline for manuscript submissions

closed (31 March 2022)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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