



## Anaerobic Digestion in the Bioeconomy

Guest Editors:

**Dr. Benedikt Hülsemann**

State Institute of Agricultural  
Engineering and Bioenergy,  
University of Hohenheim, D-  
70599 Stuttgart, Germany

**Dr. Hans Oechsner**

State Institute of Agricultural  
Engineering and Bioenergy,  
University of Hohenheim, D-  
70599 Stuttgart, Germany

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### Message from the Guest Editors

Due to various crises, material and energy costs are rising worldwide, while at the same time global warming continues. For these reasons, the efficient use of regionally available materials is increasingly becoming a focus of interest. Anaerobic digestion can help to use organic residues as efficiently as possible in bioeconomy concepts.

In this context, the use of various organic residual materials that arise in agriculture, but also in industry or in the community, can extremely increase economic efficiency and resource efficiency and significantly reduce CO<sub>2</sub> emissions. The products of such bioeconomy concepts can be used energetically in the form of biogas and material recycling in the form of fibers, bioplastics or platform chemicals is conceivable. Likewise, the implementation of possible optimizations ranges from substrate preparation, to the process conditions of anaerobic digestion, to the complete ecological and economic evaluation of entire bioeconomy models.

The special issue is aimed at the submission of contributions that deal with the mentioned topic both theoretically in modeling and practically in the form of laboratory or large-scale experiments.





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## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

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*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
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