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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 CO₂ 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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Special Issue



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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

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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