



Frontiers in Sustainable Waste Management and Biomass Energy Conversion

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Deadline for manuscript
submissions:

closed (25 April 2022)

Message from the Guest Editors

Dear colleagues,

Nowadays the awareness of the need for a real sustainable development is growing more and more. Therefore, both the Waste Management and the full Biomasses potential exploitation, are key to give a significant contribution to the sustainability world goal. Such ambitious objective, can only be reached by a multidisciplinary approach. Engineering must necessarily dialogate with biological sciences, by virtue of the need to find a stable equilibrium between man and environment, which is the very sustainability concept. In this special issue, research papers and reviews dealing from the environmental compatibility of the proposed process, to their engineering by means of state of art design and modeling techniques, are more then welcomed:

- Waste and Biomass Conversion processes design and optimization
- Model development and process simulation
- Integration among biochemical and thermochemical conversion processes
- Anaerobic digestion process control, bioenergetics and modelling
- Anaerobic treatment of micro-pollutants
- Biogas upgrading , Biohydrogen production and Digestate utilization
- Emerging AD technology and Small-scale digesters





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Message from the Editor-in-Chief

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