

## Special Issue

# Sustainable Biomass Energy: Recent Technologies and Applications

### Message from the Guest Editors

Biomass has been used as an energy source since the early days of humankind. The emergence of urgent problems, such as global warming and the depletion of resources, has fostered research on its valorization for energy purposes in the recent decades. Today, the large number of existing technologies permits converting various types of biomass in a flexible and efficient way. Nonetheless, several of these technologies are not mature yet, and more studies are necessary to make them fully reliable and convenient and ensure that the largest variety of biomass can be successfully employed to generate energy. This Special Issue is dedicated to recent advances in the field of biomass energy, either based on new processes or making the existing ones more flexible, efficient, and sustainable. Both experimental and theoretical studies are encouraged, including scale-up and feasibility analyses that demonstrate how innovative processes can be applied to real-life scenarios. The coupling of different techniques or their application to underexploited feedstocks are also of interest.

### Guest Editors

Dr. Filippo Marchelli

Dr. Roberta Ferrentino

Dr. Cristina Moliner

Dr. Lucas Massaro Sousa

### Deadline for manuscript submissions

closed (10 September 2024)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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