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Recycling of Agricultural and Food Waste for Biofuel and Biochar Production: Recent Advances and Future Directions

Guest Editors:

Dr. Tarek Rouissi
National Institute of Scientific Research of Quebec (INRS), Quebec, QC G1P 4S5, Canada

Dr. Linson Lonappan
Department of Civil and Building Engineering, University of Sherbrooke, Sherbrooke, QC J1N 0C6, Canada

Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

One of the biggest environmental problems requiring increased attention in the future is the management of agricultural and food waste, especially given the rising demand for food that is expected to double by 2050 and the parallel wide variety of industrial processes currently employed.

Over the past two decades, numerous technologies were created with the aim of transforming organic waste into high-value products. The conversion of agricultural and food waste for the manufacture of biofuels is a very intriguing notion with the potential to play a crucial part in the energy transition. Recycling food and agricultural waste for the creation of biochar is garnering increased interest due to its extensive industrial and agricultural applications.

We are interested in manuscripts examining:

- The conversion and bioconversion processes of agricultural and food waste into biofuel;
- The conversion process of agricultural and food waste into biochar and other carbonaceous materials;
- Biofuel and greenhouse gas reduction and life cycle analysis;
- Studies on the innovative potential application of biochar and carbonaceous materials.

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Editor-in-Chief

Prof. Dr. Takayoshi Kobayashi
Advanced Ultrafast Laser Research Center, The University of Electro-Communications, 1-5-1, Chofugaoka, Chofu, Tokyo 182-8585, Japan

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

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