Special Issue

Biochar Role in Environmental Sustainability and Circular Economy

Message from the Guest Editors

The environment and the sustainability of the world are being threatened by climate change. To pursue efforts to reduce greenhouse gas emissions and reach a "*zero-waste society*", a blocking pathway for the natural carbon cycle must be found. To achieve these goals, converting biomass to biochar can provide both environmental and health benefits. The conversion of end-products to biochar could facilitate zero-waste and the development of a circular economy. Biomass waste materials appropriate for biochar production include crop residues (both field residues and processing residues, such as nutshells, fruit pits, and bagasse); yard, food, and forestry wastes; and animal manures. The feedstock used for biochar production and the processing conditions mainly define the yield and quality of the final product, and therefore, the biochar applications. Thus, biochar has applications in many fields, such as agriculture and horticulture, construction and activated carbon. The papers selected for this Special Issue were subject to a rigorous peer-review procedure with the aim of the rapid and wide dissemination of research results, developments, and applications.

Guest Editors

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