Special Issue

Biochar: A Substance for Sustainable Agriculture

Message from the Guest Editor

There are several opportunities for biochar to contribute to sustainable agriculture. These include:

- the mitigation of climate change through the sequestration of carbon in agricultural soils;
- increased resilience of farming systems to drought or pests;
- the provision of bioenergy through pyrolysis of agricultural residues for biochar production;
- the reduction of nutrient leakage from soils;
- the reduction of nitrous oxide and methane emissions from soils and manure management;
- increases in yields;
- nutrient cycling within agroecosystems when agricultural residues are used as feedstocks for biochar that is returned to agricultural soils;
- the cycling of nutrients and organic matter from cities and industries back to agriculture.

This Special Issue welcomes contributions on the above topics. Others topics that link biochar to opportunities or risks for sustainable agriculture are also encouraged, including social perspectives, policy, and economics. Manuscripts that apply a systems view on biochar in agriculture are particularly welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 May 2019)

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Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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