

Special Issue

Engineered/Modified Biochar in Agricultural Practices: Production, Properties, Agricultural and Environmental Sustainability

Message from the Guest Editor

Biochar is a solid material derived from thermochemical conversion of biomass under an oxygen-limited environment. Various biochars have been produced from wastes of agricultural and domestic activities. When various biochars were incorporated into current agricultural practices, the biochar-mediated agricultural practices resulted in significantly enhancing soil fertility/health, greater crop productivity, healthy microbial communities, water quality, soil remediation, and greenhouse gas emission control. Recently, there have been active studies to produce, characterize, and apply engineered and modified biochar for enhancing agricultural and environmental sustainability in agricultural practices. The engineered and modified biochars include chemically and microbially functionalized biochar, activated biochar and biochar composites. Thus, this Special Issue deals with production, properties, and applications of engineered and modified biochar for agricultural and environmental sustainability in agricultural practices. Research articles in these topics and relevant areas are highly encouraged for submission to this Special Issue.

Guest Editor

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