Special Issue

Nanomaterials and Nano-Biochar for Sustainable Agriculture and Environmental Remediation

Message from the Guest Editor

Soil degradation, pollution and loss of soil productivity are global issues, representing major threats for sustainable crop production. A large number of technological inventions have been applied to clean up soil, restore fertlity and enace crop productivity: however, due to expensive, unfeasible in realistic environments or in larger applications, and labourconsuming aspects, past approches have failed to improve soil health and crop production up to desired limits, an issue that remains unsolved. Recently, nanotechnological approaches and nano-sized biochar/biochar have exploded in popularity as a result of their large number of unique properties. The input of nanomaterails and nanosized biochar in enhancing crop yield has improved soil quality parameters without disturbing the environment. The input of these materails in soils could enhance the functionality of soil microbes to improve nutrient use efficiency or help to make nutrients available to plants and improve root systems and the overall growth of crops.

Guest Editor

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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