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Nanomaterials and Nano-Biochar for Sustainable Agriculture and Environmental Remediation

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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 labour-consuming aspects, 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.

Dr. Vishnu D. Rajput Guest Editor











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Editor-in-Chief

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Message from the Editor-in-Chief

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