

Special Issue

Vermicompost in Sustainable Crop Production—2nd Edition

Message from the Guest Editor

Sustainable crop production requires new means of fertilization in light of both the use of renewable resources and improving soil quality. The processing of biological waste by the concerted action of earthworms and microorganisms leads to the production of vermicompost—an organic fertilizer with high microbiological activity, rich in mineral nutrients and humic substances. It is evident that the benefits from the application of vermicompost in agriculture are related to direct and indirect effects on crop plants as well as to the improvement of soil properties, leading to a long-term increase in soil sustainability. However, a lack of understanding of the specific mechanisms of beneficial influence hinders the ability to scientifically predict the outcomes of vermicompost application in different crop production systems. Contributions to this topic are welcome that report results both from laboratory and field studies concerning earthworm/microorganism/soil/plant interactions at different levels from vermicompost production to application, including those related to crop yield and quality.

Guest Editor

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