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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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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