



Potential Benefits and Risks of Organic Amendments to Soil Health

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Message from the Guest Editors

Dear Colleagues,

Organic amendments (such as compost, sewage, crop residues, digestates from the anaerobic treatment of waste or biosolids) have been historically used in agricultural management as they represent one of the main sources of nutrients for plants. The application of amendments with different properties and agronomic potential guarantees the supply of macro- and micronutrients, necessary to not only increase crop productivity but also to restore soil health. On the other hand, the application of biomasses can be dangerous for human, animal and plant health, such as heavy metals, microplastics, potential human pathogens and emerging contaminants. In addition, the overuse of low-quality organic amendments can lead to excess nutrients (e.g., phosphorus, nitrogen), groundwater contamination, greenhouse gas emissions and soil acidification or salinization. This Special Issue welcomes manuscripts aiming to share any new knowledge related to the management of organic amendments in agriculture and its effect on soil health and crop productivity and quality.

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