

Special Issue

Smart Fertilizers and Innovative Organic Amendments for Sustainable Agricultural Systems

Message from the Guest Editors

Sustainable agricultural practices are needed to provide food security for a growing global population. Food production is usually associated with high nutrient inputs in the form of mineral fertilisers. Since the beginning of agriculture, such practices have led to soil degradation and the release of environmental contaminants. In this Special Issue, we will focus on innovations in organic and inorganic fertiliser production. We welcome studies concerning new approaches for smart fertiliser development, including bioformulations with mineral particles, nanomaterials, and plant growth promoting microorganisms. Moreover, we would like to include contributions that focus on organic amendments to increase or propitiate terrestrial C sequestration and stabilization, in order to meet the nexus between climate change, food security and soil fertility, as a win-win-win scenario. Such techniques may concern, but are not limited to, innovative organic waste recycling procedures and new applications of mycorrhizae, rhizobioms, or free living soil bacteria and fungi. , ,

Guest Editors

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Deadline for manuscript submissions

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