Special Issue

Sustainable Fertilization to Enhance Soil Fertility and Improve Crop Quality

Message from the Guest Editor

Recent advancements in sustainable fertilization technologies and products, such as crop fertigation, precision and smart agriculture, integrated nutrient management, and biochar, hold significant potential for enhancing land sustainability and crop quality. Thus, a profound comprehension of how to effectively utilize these technologies and products to maintain soil fertility, optimize crop yield, and improve quality is of paramount importance. This Special Issue aims to further address these issues and attempts to provide a comprehensive perspective. Potential topics include the effects of organic fertilizers, controlled-release fertilizers, cover crop, and biochar on land sustainability and crop quality. The application of new and traditional techniques of sustainable fertilization is welcome. These include, but are not limited to, soil testing and plant analysis, precision fertilization, unmanned aerial vehicle and GPS-guided fertilizer spreader, conservation tillage, crop fertigation, crop rotation and diversity, and integrated nutrient management. Theoretical mechanisms and field data, especially data from long-term field experiments, are preferred.

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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