Special Issue

Root-Soil Interactions in Organic Farming

Message from the Guest Editor

According to the principles of organic farming, applications of plant available nutrients via soluble chemical fertilizers are avoided. Instead, organic farming generally aims to increase the acquisition of nutrients from the solid phase of soil based on the high contents of soil organic matter, high root length densities and high biological activity. Cropping strategies including crop rotation, the application of organic residues, and tillage practices that have been specifically adapted for organic farming. The cultivation of legumes generally has a high relevance. Within this general framework, there is a particularly high interest in root-soil interactions such as root architecture and their influence on soil structure, rhizodeposition processes, and the microbiome of the rhizosphere and its effects on plant health and nutrient mobilization. This Special Issue focuses on the role of root-soil interactions in organic farming and other low-input farming systems, with a major emphasis on research belonging to the keywords listed below. This issue will lend to highly interdisciplinary studies embracing disciplines from agriculture and biology, to chemistry and soil science.

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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