

Special Issue

Effects of Fertilizer Application on Soil Physico-Chemical and Biological Properties

Message from the Guest Editors

The growing world population, which is expected to reach 8.5 billion by 2030, coupled with changing dietary preferences is expected to drive fertilizer industry expansion. Currently, half of all food globally is produced using mineral fertilizers, and nitrogen is usually a major limiting factor for crop production. The continuous application of fertilizers and/or their excessive rates, however, could lead to undesirable consequences, such as reduced crop yields and a deterioration in soil health, i.e., its capacity to function, within ecosystem and land use boundaries, to sustain biological productivity, maintain environmental quality, and promote plant and animal health. This Special Issue focuses on the physico-chemical and biological properties of soils governed by applied fertilizers, with an emphasis both on the negative impacts and the management of the maintenance or improvement of soil quality. This Special Issue particularly invites highly interdisciplinary studies embracing disciplines from agriculture and soil science to the environment and humans. All types of articles, such as original research and reviews, are welcome.

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About the Journal

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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