

Special Issue

Effects of New Types of Fertilizers on Soil and Crop Physiological Quality

Message from the Guest Editor

New types of fertilizers include nano-fertilizers, stable synergistic fertilizers, long-term controlled release fertilizers, microbial fertilizers, microbial inhibitors, and other green intelligent fertilizers, which have the advantages of stability, low dosage requirements, slow release, long-lasting efficacy, sustainability, multifunction responses, etc. Therefore, the application of new types of fertilizers can not only enhance crop growth and improve yield and nutritional quality but also mitigate the risk of carbon release while promoting environmental protection and sustainable green development.

This Special Issue focuses on the development and application of new types of fertilizers and their effects on the cycling of soil nutrients, soil microbial processes, and the physiological processes influencing crop yield and quality formation. Moreover, it seeks to promote interdisciplinary investigations encompassing chemistry and engineering disciplines in material synthesis, biology studies in crops, as well as regulatory mechanisms. Original research articles and reviews are accepted.

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.

Editor-in-Chief

Prof. Dr. Les Copeland

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