

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, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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