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Ensuring Food Security in a Changing World

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Message from the Guest Editors

Industrial farming has resulted in some unintended consequences including loss of soil quality, and the onset of super weeds that evolved to combat continuous herbicide sprays overtime in this changed farming system. The soil quality loss has led to degraded soils, which have in turn changed the vegetation on farmlands that are known to support invasive weeds. Consequently, these invasions have promoted the extensive use of chemical herbicides. The soil quality loss has also caused reduction in nutritional value of the food produced therein. Recent advances in technologies have provided us with tools to understand these aspects better.

With this Special Issue, we aim to shed light on the interconnectedness of loss of soil quality, productivity, food production ability of soils, loss of food quality, weed invasions and onset of herbicide resistance.

For this Special Issue, we welcome papers investigating soil–weed–crop interactions, advanced technologies assisting with emerging issues such as soil quality loss, herbicide resistance, food quality loss due to excessive fertilizer application, herbicide resistance and food security.



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Special Issue



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Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper *Crops*, the international journal of crop science.

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