



Application of Modern Agricultural Equipment in Crop Cultivation

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Message from the Guest Editors

The agricultural industry faces many challenges, and the answer to these challenges is sustainable agriculture, which combines the best of conventional technology with concepts of precision agriculture and digital technologies. Conventional agricultural technology has solutions that, increase soil carbon storage, and reduce CO₂ emissions. On the other hand, running a farm using precision farming technologies and digital techniques to monitor and optimize agricultural production processes allows farmers to, among other things, accurately perform sowing, fertilization, and crop protection, reduce their carbon footprint, and minimize their labor inputs.

Therefore, this Special Issue aims to discuss a wide range of theoretical and experimental research works related to agricultural production processes where tangible benefits have been achieved through the implementation of modern agricultural engineering solutions, for example, a reduction in CO₂ emissions, a reduction in energy inputs, a reduction in seed, fertilizer, and pesticide use, an increase in yield, or a reduction in production costs. This Special Issue welcomes all types of articles.





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Message from the Editor-in-Chief

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