

## Special Issue

# Precision Operation Technology and Intelligent Equipment in Farmland

### Message from the Guest Editors

Precision operation and intelligent equipment in fields are the frontier of modern agricultural technology development, which fully presented the conception of adjusting measures to local conditions and intelligent management of crop production, maximized the production potential of farmland, and realized the efficient utilization of the key factors in agricultural production and ecological environment protection. In recent years, experts have conducted a lot of research on the interaction mechanism of crops, soil and other environmental factors, rapid acquisition of information, precise control model of crop production and intelligent equipment by using modern information and intelligent control technology. This research topic will welcome papers involved in research on precision operation and intelligent equipment in fields. Specific topics include, but are not limited to:

- Agricultural sensing mechanism and new sensor;
- Machine–soil–crop interaction mechanisms;
- Crop production control models;
- New agricultural machinery and filed robots;
- Intelligent control of agricultural machinery;
- Unmanned operations.

### Guest Editors

Prof. Dr. Jun Ni  
Dr. Lei Feng  
Dr. Lvhua Han

### Deadline for manuscript submissions

closed (31 May 2023)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

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