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Advanced Imaging for Plant Phenotyping

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Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editors

Plant phenotyping is an emerging topic applying digital methods to the highly relevant task to optimize the genetic potential, cultivation methods and resource deployment in plant production. In transdisciplinary research, state-of-the-art sensors and data analysis concepts are combined to derive reliable plant-physiological parameters at an increasing throughput.

We welcome papers from the global research community actively involved in research on imaging for plant phenotyping. Specific topics include, but are not limited to advanced methods for imaging technologies, sensor setups, and data processing in plant phenotyping:

- Panchromatic, multispectral, and hyperspectral approaches;
- 3D imaging techniques adapted to plants;
- High-throughput sensor platforms;
- Robotics for phenotyping;
- Field phenotyping;
- Stress detection;
- Disease detection;
- Data analysis in plant phenotyping;
- Multi-scale phenotyping;
- Multi-sensor phenotyping.



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Special Issue



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Message from the Editorial Board

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