



Current Research on Hyperspectral and Multispectral Imaging and Their Applications in Precision Agriculture

Guest Editors:

Dr. Jinling Zhao

National Engineering Research
Center for Agro-Ecological Big
Data Analysis & Application,
Anhui University, Hefei 230601,
China

Dr. Yingying Dong

Aerospace Information Research
Institute, Chinese Academy of
Sciences, Beijing 100094, China

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Message from the Guest Editors

Agriculture systems are facing a variety of stresses, such as diseases and insect pests, drought, heat, cold, frost, flooding, excessive fertilization, and environmental pollution, due to ever-increasing human interference and ongoing climate change. It is incredibly necessary to accurately and rapidly identify and quantify these stresses to support decision making. The rapid development of hyperspectral and multispectral imaging (HSI and MSI) techniques has greatly facilitated classification, monitoring, identification, diagnosis, and assessment in agriculture. Nevertheless, there are still many urgent and critical issues that need to be addressed, such as small-sample classification, spectral dimensionality reduction, sensitive spectral band selection, multiple stress identification, growth condition monitoring, early disaster warning, etc. This Special Issue focuses on exchanging knowledge and promoting development related to precision agriculture based on HSI and MSI techniques, thus facilitating their applications and demonstrations.





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2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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