



Omics Sciences and Biotechnologies to Support Agronomy Applications for Sustainable Agriculture

Guest Editor:

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Message from the Guest Editor

This Special Issue collects contributions, including original research papers, reviews, methods or opinions, relating to studies conducted on different sectors of agriculture, in which purely agronomic and physiological approaches are flanked by those typical of the omics sciences, which in the last decade have been gaining an important role in supporting agronomic studies. Genomic, transcriptomic and proteomic studies make it possible to identify genes and/or proteins with key roles in the response to different stress conditions or, through the study of molecular mechanisms, make it possible to better understand phenological conditions that are altered by ongoing global warming. As well as considerable interest is addressed to metagenomic studies that allow the study of microbial communities directly in their natural environment, where they can play a key role in the adaptability of crops to the various biotic and abiotic stress conditions. Finally, articles introducing studies related to biotechnologies application, that could be crucial for improving the crop performance in sustainable agriculture, are welcome too.





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Message from the Editor-in-Chief

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