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Leaf Senescence

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Deadline for manuscript
submissions:

closed (15 October 2019)

Message from the Guest Editor

Senescence is the last step in leaf development and aims at remobilizing previously acquired nitrogen carbon and mineral resources out of the senescing tissue before the leaf eventually dies and is shed. Before anthesis, sequential leaf senescence leads to the repartitioning of nutrients from older leaves to newly developing non-reproductive organs. After anthesis, monocarpic leaf senescence governs nutrient reallocation to the now developing reproductive organs and, therefore, has a very critical impact on yield. In the last two decades, it has become obvious that no “master regulator” for senescence exists, but an extremely complex regulatory network controls all aspects of senescence. This Special Issue aims at collecting a wide range of different articles that focus on leaf senescence and its regulation at all levels, including biochemistry, physiology, genes, RNAs, proteins, metabolites, nutrition, and environment, in model or crop plants. In addition, comparisons of leaf senescence to senescence processes in other plant organs or evolutionary aspects of senescence are most welcome.



mdpi.com/si/22177

Special Issue



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Message from the Editor-in-Chief

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