

Leaf growth and water deficit in Arabidopsis thaliana and apple: the three dimensions.

PERSPECTIVES

An efficient protocol for three dimensional imaging was developed and published and allows for in depth studies on cellular organisation in developing leaves from initiation until senescence of Arabidopsis thaliana, apple and other species. It offers the potential to extend our current knowledge of leaf growth processes, under influence of both genotype and environment, to the inner cell layers of leaves and provide the necessary data for the establishment of a complete cellular model of leaf growth which can be integrated into a whole plant growth model. Groups involved in this project are looking for further financial supports to analyse further data and images produced during the project with still the objective to establish a 3D model of leaf development at the cellular level.

Responsable :

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