

The leaf is an essential plant organ, intricately designed to carry out the vital task of producing assimilates. Thanks to the remarkable diversity of leaf shapes and structures, plants have adapted to flourish in varying environments, from lush forests to arid deserts. This lecture explores the essential processes that drive leaf differentiation and describes the factors that influence the determination of their final shape.

In this presentation, I will share the key findings from my research that have contributed to a deeper understanding of the fundamental aspects of leaf development biology. Additionally, I will provide an overview of the current state of knowledge in this field, highlighting significant discoveries and ongoing questions that remain to be explored.