

SENESCENCE SIGNALLING AND CONTROL IN PLANTS

EDITED BY
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Senescence Signalling and Control in Plants discusses the research showing the importance of hormone action on developmental senescence. It shows the involvement of various signaling components (such as *EIN2* and *LOX2*) and transcription factors (such as *oresara1* and *ORE1*) in controlling hormonal activity during senescence. Further, the involvement of various microRNAs (such as miR164 and miR319) in regulating leaf senescence is covered. Special emphasis is given to utilizing the important trait of leaf senescence for crop improvement in agriculture practices. Throughout this book, the authors shed light on all the reverse and forward genetic approaches to reveal the role of various other phytohormones regulating plant senescence and the molecular mechanisms involved.

Chapters on relevant topics are contributed by experts currently working in the area, making this a comprehensive treatise designed to provide in-depth analysis of this important subject.

Key Features:

- Provides details on the involvement of hormones (other than the well-known hormones cytokine and ethylene) in plant senescence
- Shows the underlying mechanisms on hormonal actions that occur during senescence
- Describes the functions that microRNAs perform during this important plant developmental process
- Reflects a new aspect of leaf senescence research involving epigenetic regulation via alterations in chromatin organization

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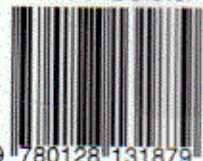
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