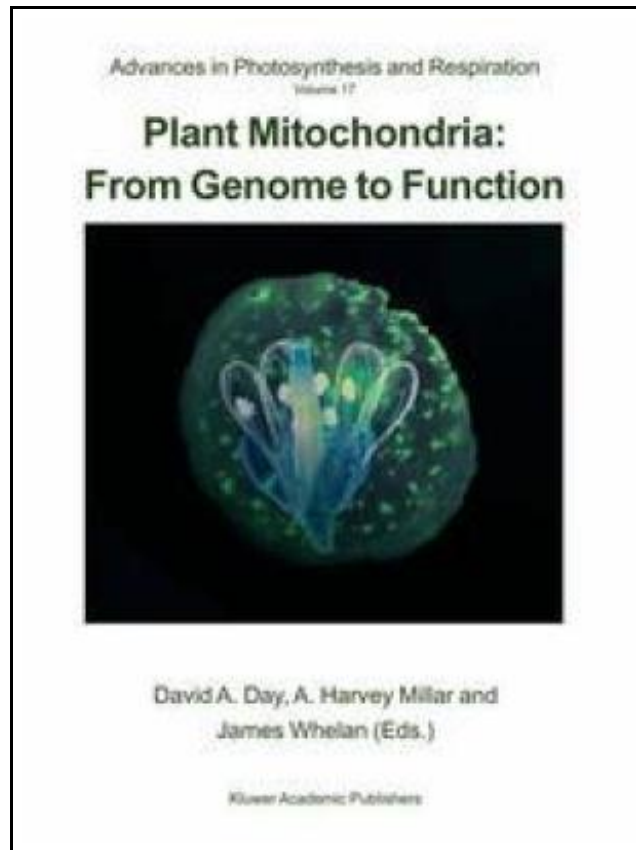


## Plant Mitochondria: From Genome to Function



Filesize: 2.15 MB

### ***Reviews***

*The book is straightforward in read through better to recognize. it absolutely was writtern quite completely and valuable. Its been printed in an exceptionally simple way which is only after i finished reading this book where really altered me, alter the way i believe.*

***(Kenyatta Berge DDS)***

## PLANT MITOCHONDRIA: FROM GENOME TO FUNCTION



To get **Plant Mitochondria: From Genome to Function** PDF, remember to access the web link under and download the document or gain access to other information which are in conjunction with PLANT MITOCHONDRIA: FROM GENOME TO FUNCTION ebook.

Springer Netherlands. Buch. Book Condition: Neu. 254 mm. This item is printed on demand - Print on Demand Neuware - Mitochondria in plants, as in other eukaryotes, play an essential role in the cell as the major producers of ATP via oxidative phosphorylation. However, mitochondria also play crucial roles in many other aspects of plant development and performance, and possess an array of unique properties which allow them to interact with the specialized features of plant cell metabolism. The two main themes running through the book are the interconnection between gene regulation and protein function, and the integration of mitochondria with other components of plant cells. The book begins with an overview of the dynamics of mitochondrial structure, morphology and inheritance. It then discusses the biogenesis of mitochondria, the regulation of gene expression, the mitochondrial genome and its interaction with the nucleus, and the targeting of proteins to the organelle. This is followed by a discussion of the contributions that mutations, involving mitochondrial proteins, have made to our understanding of the way the organelle interacts with the rest of the plant cell, and the new field of proteomics and the discovery of new functions. Also covered are the pathways of electron transport, with special attention to the non-phosphorylating bypasses, metabolite transport, and specialized mitochondrial metabolism. In the end, the impact of oxidative stress on mitochondria and the defense mechanisms, that are employed to allow survival, are discussed. This book is for the use of advanced undergraduates, graduates, postgraduates, and beginning researchers in the areas of molecular and cellular biology, integrative biology, biochemistry, bioenergetics, proteomics and plant and agricultural sciences. 325 pp. Englisch.



[Read Plant Mitochondria: From Genome to Function Online](#)



[Download PDF Plant Mitochondria: From Genome to Function](#)

## See Also

**[PDF] Programming in D**

Click the link listed below to download "Programming in D" PDF document.

[Read Document »](#)

**[PDF] Psychologisches Testverfahren**

Click the link listed below to download "Psychologisches Testverfahren" PDF document.

[Read Document »](#)

**[PDF] Readers Clubhouse Set B Time to Open (Paperback)**

Click the link listed below to download "Readers Clubhouse Set B Time to Open (Paperback)" PDF document.

[Read Document »](#)

**[PDF] Lans Plant Readers Clubhouse Level 1**

Click the link listed below to download "Lans Plant Readers Clubhouse Level 1" PDF document.

[Read Document »](#)

**[PDF] I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)**

Click the link listed below to download "I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)" PDF document.

[Read Document »](#)

**[PDF] DK Readers Animal Hospital Level 2 Beginning to Read Alone**

Click the link listed below to download "DK Readers Animal Hospital Level 2 Beginning to Read Alone" PDF document.

[Read Document »](#)