

# Membrane transport in plants

## Blackwell - Membrane Transport in Plants

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Plant membranes

Biological transportMembrane transport in plants

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Notes: Includes bibliographical references and index

This edition was published in 2004

Tags: #Molecular #Evolution #and  
#Interaction #of #Membrane #Transport  
#and #Photoreception #in #Plants



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### Cross-Membrane Transport

Moreover, co-transporters across the chloroplast thylakoid membrane also play an essential role in light regulated cellular response and plant growth.

### Membrane transport

Red light-induced membrane potential transients in the moss *Physcomitrella patens*: ion channel interaction in phytochrome signalling. Moreover, the transcripts encoding V-H<sup>+</sup>-PPase are thought to be positively regulated by salt stress in maize and bean plants, and in *Arabidopsis* the overexpression of the H<sup>+</sup>-pyrophosphatase, AVP1, was shown to improve salt and drought tolerance.

### Molecular Evolution and Interaction of Membrane Transport and Photoreception in Plants

An *Arabidopsis* protein closely related to *Synechocystis* cryptochrome is targeted to organelles.

### MCQ on Membrane Transport in Cells

**Acknowledgments** We are grateful to BabeliUM, the Language Centre of the University of Minho, for revising the English version of the manuscript. As a response, plants trigger the production of several stress proteins and compatible osmolytes, among other complex molecular changes. This causes plasmolysis of the cells of the roots and ultimately, the death of the plant.

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