

Alexander G. Volkov (Editor)

Plant Electrophysiology

Theory and Methods

As a pioneering work on plant electrophysiology, this exciting reference compiles new findings from the work of internationally renowned experts in the fields of electrophysiology, bio-electrochemistry, biophysics, signal transduction, phloem transport, tropisms, ion channels, plant electrochemistry, and membrane transport.

The book starts with a historical introduction to plant electrophysiology, followed by two distinct parts. The first one deals with methods in plant electrophysiology, including, amongst others, measuring membrane potentials and ion fluxes, patch-clamp technique, and electrochemical sensors. The second part covers experimental results and their theoretical interpretation.

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