

1. Record Nr.	UNISALENTO991004267438107536
Autore	Chéron, André
Titolo	Gli scacchi per il principiante : regole fondamentali e suggerimenti opportuni per una corretta impostazione del gioco / André Chéron
Pubbl/distr/stampa	Milano : Bietti, 1974
Titolo uniforme	Nouveau manuel d'échecs du débutant 3377231
Descrizione fisica	248 p. ill. 20 cm
Collana	I manuali Bietti
Disciplina	794.1
Soggetti	Scacchi
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Livello bibliografico	Monografia
Note generali	Tit. orig.: Nouveau manuel d'échecs du debutant Trad. di Gianna Lonza

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Titolo	Plasmodesmata // edited by Karl J. Oparka
Pubbl/distr/stampa	Oxford, UK ; ; Ames, Iowa, USA, : Blackwell Pub., c2005
ISBN	9786611320164 9781281320162 1281320161 9780470761212 0470761210 9780470988572 0470988576 9780470994146 0470994142
Descrizione fisica	1 online resource (332 p.)
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Altri autori (Persone)	OparkaK. J
Disciplina	571.6/2
Soggetti	Plasmodesmata
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Plasmodesmata; Contents; Contributors; Preface; 1 Plasmodesmal structure and development; 1.1 Introduction; 1.2 Structure of plasmodesmata; 1.2.1 Formation of plasmodesmata; 1.2.2 General structure; 1.2.3 Historical notes on plasmodesmatal research; 1.2.4 The advent of electron microscopy; 1.2.5 Intercellular transport; 1.3 Additional components of plasmodesmata; 1.3.1 The cytoskeleton and cytoskeletal-associated proteins; 1.3.2 Callose; 1.3.3 Additional components of plasmodesmata; 1.4 Developmental changes to plasmodesmata; 1.4.1 Branched plasmodesmata 1.4.2 Loss, reduction or occlusion of plasmodesmata 1.4.3 Formation of secondary plasmodesmata; 1.4.4 The future; Acknowledgements; References; 2 Evolution of plasmodesmata; 2.1 Introduction; 2.2 The distribution of plasmodesmata among extant photosynthetic organisms; 2.3 The phylogeny of photosynthetic organisms and its relation to the occurrence of plasmodesmata; 2.4 Functional aspects of

the distribution and evolution of plasmodesmata; 2.4.1 Background; 2.4.2 Cyanobacteria; 2.4.3 Chlorophyta; 2.4.4 Heterokontophyta; 2.4.5 Conclusions

2.5 Functioning of complex photosynthetic organisms which lack plasmodesmata

2.5.1 Introduction; 2.5.2 Multicellular algae lacking plasmodesmata or analogues of plasmodesmata; 2.5.3 Rhodophyta and pit plugs: (trans)mission impossible?; 2.5.4 Morphologically complex acellular macroalgae; 2.5.5 Symbioses of (mainly) unicellular algae with fungi and metazoan; 2.6 Conclusions; Note; References; 3

Plasmodesmata: protein transport signals and receptors; 3.1 Introduction; 3.2 Components of the PD transport pathway; 3.2.1 Principles of signal-mediated protein transport

3.2.2 Putative PD pathway components

3.2.3 NCAPP1 - the initial PD receptor; 3.2.4 Potential role of the cytoskeleton in the PD transport pathway; 3.2.5 HSP70-related proteins and the PD transport pathway; 3.2.6 Potential role of ISE1 - a mutant plant with impaired PD function; 3.2.7 A PD pathway model; 3.3 Identifying PD transport signal(s); 3.3.1 Definition of a targeting signal; 3.3.2 KNOTTED1 - existence of a PD-targeting and SEL increase signal; 3.3.3 Phloem Thioredoxin h - charged amino acids as PD motifs; 3.3.4 Proteolytic processing facilitates transport of CmPP36

3.3.5 A short PD-targeting motif in phloem HSC703

3.6 The elusive nature of PD-targeting signals; 3.4 Conclusions and future prospects; Acknowledgements; References; 4 Comparative structures of specialised monocotyledonous leaf blade plasmodesmata; 4.1 Introduction; 4.2 Maturity-related changes in plasmodesmatal structure; 4.3 The plasmodesmatal cell wall interfaces in monocot leaves; 4.4 Plasmodesmata crossing the suberin lamella - constrictions and asymmetry; 4.5 Regulation at the neck - structural considerations

4.6 Changes in wall structure and plasmodesmatal form - secondary modification

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Sommario/riassunto

Since their discovery over 100 years ago, plasmodesmata have been the focus of intense investigation. Plasmodesmata are unique to plants and form an intercellular continuum for the transport of solutes, signals and ribonucleoprotein complexes. It is now clear that plasmodesmata formation and regulation are central to a diverse range of plant functions that include developmental programming, host-pathogen interactions and systemic RNA signaling. This book provides a state-of-the-art overview of the diverse forms and functions of plasmodesmata. It covers the structure and evolution

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