

1.	Record Nr.	UNINA990001866080403321
	Autore	Chiaromonte, Alfonso
	Titolo	La Diparopsis castanea, Hmps, sul cotone a Barentu / Alfonso Chiaromonte
	Pubbl/distr/stampa	Firenze : Istituto Agricolo Coloniale Italiano, 1931
	Descrizione fisica	6 p. ; 23 cm
	Disciplina	595.7
	Locazione	FAGBC
	Collocazione	60 MISC. B 132/15
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNISALENTO991000116929707536
	Autore	Cotugno, Raffaele
	Titolo	La sorte di Giovan Battista Vico e le polemiche scientifiche e letterarie dalla fine del 17. alla metà del 18. secolo / Raffaele Cotugno
	Pubbl/distr/stampa	Bari : Laterza, 1914
	Descrizione fisica	VIII, 250 p.
	Disciplina	195
	Soggetti	Vico, Giambattista
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

3. Record Nr.	UNINA9911019082203321
Titolo	Microbial transport systems / / Gunther Winkelmann, ed
Pubbl/distr/stampa	Weinheim ; ; New York, : Wiley-VCH, c2001
ISBN	9786611239299 9786610558421 9781281239297 1281239291 9781280558429 1280558423 9783527612727 3527612726 9783527600724 3527600728
Descrizione fisica	1 online resource (534 p.)
Altri autori (Persone)	WinkelmannGunther
Disciplina	571.64 571.82
Soggetti	Biological transport Microbial growth Microorganisms - Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Microbial Transport Systems; Preface; Contents; List of Authors; Color Plates; 1 Families of Transporters: A Phylogenetic Overview; 1.1 Introduction; 1.2 The TC System; 1.3 The Value of Phylogenetic Classification; 1.4 Phylogeny as Applied to Transporters; 1.5 The Basis for Classification in the TC System; 1.6 Classes of Transporters; 1.7 Class 1: Channels/Pores; 1.8 Class 2: Electrochemical Potential-driven Porters; 1.9 Class 3: Primary Active Transporters; 1.10 Class 4: Group Translocators; 1.11 Class 8: Accessory Factors Involved in Transport 1.12 Class 9: Incompletely Characterized Transport Proteins1.13 Transporters with Dual Modes of Energy Coupling; 1.14 Transporters Exhibiting More than One Mode of Transport; 1.15 Conclusions and

Perspectives; References; 2 Energy-transducing Ion Pumps in Bacteria : Structure and Function of ATP Synthases; 2.1 Introduction; 2.2 Overview; 2.3 Structure, Configuration, and Interaction of F(1) Subunits; 2.4 Catalysis: Structural and Mechanistic Implications within the F(1) Complex; 2.5 The F(1)/F(O) Interface: Contact Sites for Energy Transmission

2.6 Structure, Configuration, and Interaction of F(O) Subunits

2.7 Catalysis: Coupling Ion Translocation to ATP Synthesis; References; 3 Sodium/Substrate Transport; 3.1 Introduction; 3.2 Occurrence and Role of Na(+) /Substrate Transport Systems; 3.2.1 General Considerations; 3.2.2 Elevated Temperatures; 3.2.3 Na(+) -rich Environments; 3.2.4 High pH; 3.2.5 Citrate Fermentation; 3.2.6 Na(+) /Substrate Transport in Escherichia coli; 3.2.7 Osmotic Stress; 3.3 Functional Properties of Na(+) /Substrate Transport Systems; 3.3.1 General Considerations; 3.3.2 MelB; 3.3.3 PutP; 3.3.4 CitS

3.4 Transporter Structure

3.4.1 General Features; 3.4.2 MelB; 3.4.3 PutP and Other Members of the SSF; 3.4.4 CitS; 3.5 Structure -Function Relationships; 3.5.1 MelB; 3.5.1.1 Site of Ion Binding; 3.5.1.2 Sugar Binding and Functional Dynamics of MelB; 3.5.2 PutP; 3.5.2.1 Site of Na(+) Binding; 3.5.2.2 Regions Important for Proline Binding; 3.5.2.3 Functional Dynamics of PutP; 3.5.3 CitS; 3.6 Concluding Remarks and Perspective; References; 4 Prokaryotic Binding Protein-dependent ABC Transporters; 4.1 A Brief History of ABC Systems; 4.2 What is an ABC System?

4.3 The Composition of the Prokaryotic ABC Transporters

4.4 Associated Proteins and Signal Transduction Pathways; 4.5 The Components; 4.5.1 The Binding Proteins; 4.5.1.1 Substrate Recognition Sites are High-affinity Soluble Binding Proteins; 4.5.1.2 The Binding Test; 4.5.1.3 Special Examples; 4.5.1.4 Binding Proteins Undergo Conformational Changes upon Binding Substrate; 4.5.1.5 The Crystal Structure; 4.5.2 The Integral Transmembrane Domains (TMDs); 4.5.2.1 Organization; 4.5.2.2 Composition and Structure; 4.5.2.3 The Interaction of the TMDs with the Binding Protein; 4.5.2.4 The Sequence

4.5.3 The ABC Subunit

Sommario/riassunto

Transport of molecules across the cell membrane is a fundamental process of all living organisms. It is essential for understanding growth, development, nutrition as well as uptake and excretion of exogenous or synthesized molecules. Microbes represent general and basic functional systems where many transport processes have been studied on a molecular basis. Knowledge of the microbial transport processes will provide new perspectives to treatments by inhibitors, drugs, antibiotics, vitamins, growth promotion compounds, activators and toxic compounds of various kinds.