

1. Record Nr.	UNINA9910149112603321
Titolo	! : //
Pubbl/distr/stampa	, : , 2014.3 : , : , , 2014
ISBN	4-492-91713-6
Descrizione fisica	1
Classificazione	336.3
Altri autori (Persone)	
Soggetti	
Lingua di pubblicazione	Giapponese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	:

2. Record Nr.	UNIORUON00007078
Titolo	Gilgamesh / présentation, traduction et notes par Florence Malbran-Labat
Pubbl/distr/stampa	Paris, : Editions du Cerf, [1992]
ISBN	22-04-04526-8
Descrizione fisica	78 p. : ill. ; 19 cm
Classificazione	MES III B
Soggetti	FILOLOGIA ASSIRO-BABILONESE - EPOS Filologia mesopotamica - Epopea di Gilgamesh
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr.	UNINA9910298322203321
Titolo	Endosymbiosis // edited by Wolfgang Löffelhardt
Pubbl/distr/stampa	Vienna : , : Springer Vienna : , : Imprint : Springer, , 2014
ISBN	3-7091-1303-2
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (333 p.)
Disciplina	577.85
Soggetti	Evolution (Biology) Botany Botanical chemistry Evolutionary Biology Plant Sciences Plant Biochemistry
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	The heterotrophic eukaryotes -- Autotrophy as the driving force for endosymbiosis: Primary endosymbiosis -- Recent "primary" endosymbioses -- Autotrophy as the driving force for endosymbiosis: Secondary and tertiary endosymbioses.
Sommario/riassunto	The origin of energy-conserving organelles, the mitochondria of all aerobic eukaryotes and the plastids of plants and algae, is commonly thought to be the result of endosymbiosis, where a primitive eukaryote engulfed a respiring -proteobacterium or a phototrophic cyanobacterium, respectively. While present-day heterotrophic protists can serve as a model for the host in plastid endosymbiosis, the situation is more difficult with regard to (the preceding) mitochondrial origin: Two chapters describe these processes and theories and inherent controversies. However, the emphasis is placed on the evolution of phototrophic eukaryotes: Here, intermediate stages can be studied and the enormous diversity of algal species can be explained by multiple secondary and tertiary (eukaryote-eukaryote) endosymbioses superimposed to the single primary endosymbiotic event. Steps crucial for the establishment of a stable, mutualistic relationship between host and endosymbiont, as metabolic symbiosis,

recruitment of suitable metabolite transporters, massive gene transfer to the nucleus, development of specific translocases for the re-import of endosymbiont proteins, etc. are discussed in individual chapters. Experts, dealing with biochemical, genetic and bioinformatic approaches provide insight into the state of the art of one of the central themes of biology. The book is written for graduate students, postdocs and scientists working in evolutionary biology, phycology, and phylogenetics.
