

1. Record Nr.	UNISALENTO991004005169707536
Autore	Edelsbrunner, Herbert
Titolo	Geometry and topology for mesh generation / Herbert Edelsbrunner
Pubbl/distr/stampa	Cambridge ; New York : Cambridge University Press, 2001
ISBN	0521793092
Descrizione fisica	xii, 177 p. : ill. ; 24 cm
Collana	Cambridge monographs on applied and computational mathematics ; 6
Classificazione	AMS 51D20 LC QA377.E36
Disciplina	519.4
Soggetti	Numerical grid generation (Numerical analysis) Geometry Topology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and indexes.

2. Record Nr.	UNINA9910298302003321
Titolo	Corynebacterium diphtheriae and Related Toxigenic Species : Genomics, Pathogenicity and Applications // edited by Andreas Burkovski
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2014
ISBN	94-007-7624-1
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (302 p.)
Disciplina	579.135
Soggetti	Medical microbiology Bacteriology Epidemiology Parasitology Microbial genetics Microbial genomics Medical Microbiology Microbial Genetics and Genomics
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	Diphtheria and Its Etiological Agents -- Corynebacterium diphtheriae, Corynebacterium ulcerans and Corynebacterium pseudotuberculosis - General Aspects -- Comparative Genomics and Pathogenicity Islands of Corynebacterium diphtheriae, Corynebacterium ulcerans and Corynebacterium pseudotuberculosis -- Corynephages: Infections of the Infectors -- Toxin Structure, Delivery and Action -- Iron Acquisition and Iron-Dependent Gene expression in Corynebacterium diphtheria -- Assembly and Function of Corynebacterium diphtheria -- Toxigenic Corynebacteria: Adhesion, Invasion and Host Response -- Detection Methods for Laboratory Diagnosis of Diphtheria -- Diphtheria Surveillance -- History of diphtheria Vaccine Development -- Antimicrobial Susceptibility and Treatment -- Sialidases of Corynebacteria and Their Biotechnological Application -- Molecular Genetic Tools for Research in Corynebacterium diphtheria -- Diphtheria Toxin Based Molecules as Therapeutic Approaches.

Sommario/riassunto

Corynebacterium diphtheriae is the classical etiological agent of diphtheria and the type strain of the genus *Corynebacterium*. While diphtheria of the respiratory tract became rare with the introduction of vaccination programs in industrialized countries, even today several thousand cases per year are reported to the World Health Organization. This shows that diphtheria is not completely eradicated and that reservoirs exist. The book summarizes the latest advances made in understanding *C. diphtheriae* and the closely related species *Corynebacterium ulcerans* and *Corynebacterium pseudotuberculosis*. Topics addressed are genomics of toxigenic corynebacteria, host-pathogen-interaction, detection, surveillance and treatment as well as application aspects.
