

1. Record Nr.	UNINA9911019899603321
Titolo	The Biology of Vibrios // edited by Fabiano L. Thompson, Brian Austin, Jean Swings
Pubbl/distr/stampa	Washington, District of Columbia : , : John Wiley & Sons, Inc., , 2014
ISBN	1-68367-178-3
Descrizione fisica	1 online resource (xiii, 423 pages) : illustrations
Disciplina	579.325
Soggetti	Vibrio Vibrio infections Biology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A global and historical perspective of the genus vibrio / R.R. Colwell -- Isolation, enumeration, and preservation of the vibriaceae / Bruno Gomez-Gil and Ana Roque -- Taxonomy of the vibrios / Fabiano L. Thompson and Jean Swings -- Molecular identification / Mitsuaki Nishibuchi -- Comparative genomics : genome configuration and the driving forces in the evolution of vibrios / Tetsuya Iida and Ken Kurokawa -- Gene duplicates in vibrio genomes / Dirk Gevers and Yves Van de Peer -- The roles of lateral gene transfer and vertical descent in vibrio evolution / Yan Boucher and Hatch W. Stokes -- The adaptive genetic arsenal of pathogenic vibrio species : the role of integrons / Dean A. Rowe-Magnus, Mohammed Zouine, and Didier Mazel -- Motility and chemotaxis / Linda L. McCarter. Adaptive responses of vibrios / Diane McDougald and Staffan Kjelleberg -- Extremophilic vibriaceae / Douglas H. Bartlett -- Aquatic environment / Hidetoshi Urakawa and Irma Nelly G. Rivera -- Dynamics of vibrio populations and their role in environmental nutrient cycling / Janelle R. Thompson and Martin F. Polz -- The vibrio fischeri-euprymna scolopes light organ symbiosis / Eric V. Stabb -- The mutual partnership between vibrio cholerae and abalones / Tomoo Sawabe -- Vibrios in coral health and disease / Eugene Rosenberg and Omry Koren -- Vibrio cholerae populations and their role in South America / Ana Carolina P. Vicente [and others] -- The biology and pathogenicity of vibrio anguillarum and

V. ordalii / Jorge H. Crosa, Luis A. Actis, and Marcelo E. Tolmasky. --
Vibrio harveyi : pretty problems in paradise / Leigh Owens and Nancy
Busico-Salcedo -- Vibrio salmonicida / Brian Austin -- Vibrio
splendidus / Frederique Le Roux and Brian Austin -- Miscellaneous
animal pathogens / Brian Austin -- Vibrio cholerae : the genetics of
pathogenesis and environmental persistence / Michael G. Prouty and
Karl E. Klose -- Vibrio parahaemolyticus / Tetsuya Iida, Kwan-Sam
Park, and Takeshi Honda -- Vibrio vulnificus / James D. Oliver --
Miscellaneous human pathogens / Mitsuaki Nishibuchi -- Epidemiology
/ Shah M. Faruque and G. Balakrish Nair -- Biotechnological
applications / J. Grant Burgess.

Sommario/riassunto

Annotation provides comprehensive and authoritative coverage of
vibrio research compiled by experts;presents new guidelines and
paradigms for the different branches of vibrio research;features state-
of-the-art coverage of a variety of disciplines including taxonomy,
pathogenesis, epidemiology, ecology, and genomics;conveys important
new developments and their impact on the study of vibrios.
