

1. Record Nr.	UNINA9910298282403321
Titolo	Pseudomonas [[electronic resource] ] : Volume 7: New Aspects of Pseudomonas Biology // edited by Juan-Luis Ramos, Johanna B. Goldberg, Alain Filloux
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2015
ISBN	94-017-9555-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (319 p.)
Disciplina	579 610
Soggetti	Medicine Microbiology Biomedicine, general
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 at the end of each chapters and index.
Nota di contenuto	Pseudomonas aeruginosa Host Immune Evasion -- Pseudomonas entomophila: a versatile bacterium with entomopathogenic properties -- Pseudomonas Activation of the Inflammasome -- P. aeruginosa type VI secretion machinery: another deadly syringe -- Anaerobic life style of Pseudomonas aeruginosa -- Pseudomonas strains that exert biocontrol of plant pathogens -- Resistance and response to anti-pseudomonas agents and biocides -- Lessons from the QSCR structure for Quorum sensing -- Understanding and Exploiting Bacterial Outer Membrane Vesicles -- Events in root colonization by Pseudomonas putida -- My memories of Pseudomonas in the twentieth century.
Sommario/riassunto	Pseudomonas volume 7 collects some of the most relevant and emerging issues in the biology of these microorganisms, and a number of other important issues that were not collected in the previous volumes. The first six volumes of the Pseudomonas series covered the biology of pseudomonads in a wide range of contexts, including the niches they inhabit, the taxonomic relations among its members of this group, the molecular biology of gene expression in different niches and under different environmental conditions, the analysis of virulence in plants, animal and human pathogens, as well as the determinants that

make some of these strains of interesting for biotechnological applications. This seventh volume covers the following topics: The history of the biology of *Pseudomonas* The use of *Pseudomonas* as biological agents New trends in the molecular biology of these microorganisms *Pseudomonas* and the immune system of insects and animals This book will be of use to researchers working on these bacteria, particularly those studying medical aspects of *Pseudomonas*, and their use as a means to control pathogens or to stimulate plant growth. This volume is also interesting for those studying the physiology, genetics, molecular biology of *Pseudomonas* and those using novel-omics approaches to understand bacteria of the genus *Pseudomonas*.

---