

1. Record Nr.	UNINA9910131431003321
Titolo	Biological nitrogen fixation // edited by Frans J. de Bruijn
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley-Blackwell, , 2015 ©2015
ISBN	1-118-63721-6 1-119-05309-9 1-118-63709-7
Descrizione fisica	1 online resource (1236 p.)
Disciplina	581.13353
Soggetti	Nitrogen - Fixation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title Page; Copyright; Dedication; Contents; Preface; Acknowledgments; Contributors; Volume 1; Chapter 1. Introduction; 1.1 Free-Living Diazotrophs; 1.2 Symbiotic Nitrogen-Fixing Bacteria; 1.3 Associative Nitrogen-Fixing Bacteria; 1.4 Outline of This Book; Section 1 Focus Chapters; Chapter 2. Recent Advances in Understanding Nitrogenases and How They Work; 2.1 Introduction: Two Types of Nitrogenases Exist; 2.2 Occurrence and Relationships among the Group-1 Nitrogenases; 2.3 Overview of Properties of Mo-Nitrogenase; 2.4 Overview of Properties of V-Nitrogenase and Fe-Nitrogenase 2.5 Structures of the Nitrogenase Component Proteins and their Complexes 2.6 Structures of the MoFe-Protein Prosthetic Groups; 2.7 How are Substrates Reduced?; 2.8 Where are the Binding Sites for Substrates and Inhibitors?; 2.9 How are Electrons and Protons Delivered?; 2.10 Some Concluding Remarks; Chapter 3. Evolution and Taxonomy of Nitrogen-Fixing Organisms with Emphasis on Rhizobia; 3.1 Introduction; 3.2 Materials and Methods; 3.3 Results; 3.4 Discussion; 3.4 NOTE; 3.4 Acknowledgments Chapter 4. Evolution of Rhizobium Nodulation: From Nodule-Specific

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