

1. Record Nr.	UNINA9910583339503321
Autore	Kim Minjun
Titolo	Microbiorobotics : biologically inspired microscale robotic systems // edited by Minjun Kim, Anak Agung Julius, U Kei Cheang
Pubbl/distr/stampa	Amsterdam, Netherlands : , : Elsevier, , 2017 ©2017
ISBN	0-323-43019-8
Edizione	[Second edition.]
Descrizione fisica	1 online resource (292 pages)
Collana	Micro & nano technologies series
Disciplina	629.8932
Soggetti	Microrobots Bioengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- Theoretical microbiorobotics -- Biological microrobots -- Synthetic microrobots.
Sommario/riassunto	Microbiorobotics: Biologically Inspired Microscale Robotic Systems, Second Edition presents information on a new engineering discipline that takes a multidisciplinary approach to accomplish precise manipulation of microscale spaces. Microorganisms have evolved various mechanisms to thrive in microscale environments and are therefore a useful tool for use in many applications, ranging from micromanufacturing techniques, to cellular manipulation. In the context of microrobotics, biological microrobots can directly harness the microorganisms for propulsive and sensing power and synthetic microrobots can mimic the microorganisms' motions for effective locomotion. This second edition covers new advances and insights that have emerged in recent years. Several new chapters have been added on important new research areas, with existing chapters thoroughly revised. In particular, increased coverage is given to fluid dynamics of microswimmers in nature. Gives the reader an understanding of the fundamental changes in dynamics and fabrication techniques in the microenvironment Offers a unique two-pronged approach to microrobotics from a biological perspective, i.e. bioinspired engineering design of biological systems to accomplish engineering

tasks Introduces an interdisciplinary readership to the toolkit that  
micro-organisms offer to micro-engineering

---

2. Record Nr.	UNINA9910764398003321
Autore	Fryer, Percival J.
Titolo	Insect pests and fungus diseases of fruit and hops : a complete manual for growers / by Percival J. Fryer
Pubbl/distr/stampa	Cambridge, : University Press, 1920
Descrizione fisica	XV, 728 : ill. ; 1920
Disciplina	595.7 634.049
Locazione	FAGBC
Collocazione	A PAT 183
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

---