

1. Record Nr.	UNINA9911020325203321
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Titolo	Environmental biotechnology : theory and application / / by Gareth M. Evans, Judith C. Furlong
Pubbl/distr/stampa	Chichester, West Sussex, UK ; ; Hoboken, NJ, : Wiley-Blackwell, 2011
ISBN	9786612889271 9780470975152 0470975156 9781282889279 1282889273 9780470975381 0470975385 9780470975145 0470975148
Edizione	[2nd ed.]
Descrizione fisica	xii, 275 p. : ill
Altri autori (Persone)	FurlongJudith C
Disciplina	628.5
Soggetti	Bioremediation Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to environmental biotechnology -- Microbes and metabolism -- Fundamentals of biological intervention -- Pollution and pollution control -- Contaminated land and bio-remediation -- Aerobes and effluents -- Phytotechnology and photosynthesis -- Biotechnology and waste -- Genetic manipulation -- Integrated environmental biotechnology.
Sommario/riassunto	Environmental Biotechnology: Theory and Applications, 2 nd Edition is designed to draw together the microscopic, functional level and the macroscopic, practical applications of biotechnology and to explain how the two relate within an environmental context. It presents the practical biological approaches currently employed to address environmental problems and provides the reader with a working knowledge of the science that underpins them. Biotechnology has now

become a realistic alternative to many established approaches for manufacturing, land remediation, pollution control and waste management and is therefore an essential aspect of environmental studies. Fully updated to reflect new developments in the field and with numerous new case studies throughout this edition will be essential reading for undergraduates and masters students taking modules in Biotechnology or Pollution Control as part of Environmental Science, Environmental Management or Environmental Biology programmes. Quote from the first edition: "There is no doubt that this book will be one of inspiration for all professionals in the field. It is a very good framework for understanding the complex nature of processes and technology and as such it will be useful for researchers, practitioners and other parties who need a working knowledge of this fascinating subject." -Professor Bjorn Jensen, Chairman of the European Federation of Biotechnology, Environmental Biotechnology section and Research and Innovation Director, DHI Water and Environment

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