

1. Record Nr.	UNINA9910789118503321
Titolo	Reproductive biology of plants // editors: K.G. Ramawat, Former Professor and Head, Botany Department, M.L. Sukhadia University, Udaipur, India, Jean-Michel Merillon, Universite de Bordeaux, Institut des Sciences de la Vigne et du Vin, Villenave d
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, Taylor & Francis Group, , [2014] ©2014
ISBN	0-429-16861-6 1-4822-0133-X
Descrizione fisica	1 online resource (390 p.)
Disciplina	571.8/452
Soggetti	Plants - Reproduction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A science publishers book.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Preface; Contents; Chapter 1 Reproduction in Microalgae; Chapter 2 Mechanism of Sexual Reproduction in Fresh Water Microalgae; Chapter 3 Reproduction in Bryophytes; Chapter 4 The Cytological Studies of Oogenesis and Fertilization of Ferns; Chapter 5 Pollen- ovule Interactions in Gymnosperms; Chapter 6 Determination of Sex Expression in Cycads; Chapter 7 Storage Lipids in Developing and Germinating Pollen Grain of Flowering Plants; Chapter 8 Pollination Biology and Breeding System of European Fritillaria meleagris L. (Liliaceae) Chapter 9 Genetics and Reproductive Biology of Cultivated Potato (Solanum tuberosum L.): Implications in BreedingChapter 10 Reproductive Biological Characteristics of Dendrobium Species; Chapter 11 Biotic Pollination: How Plants Achieve Conflicting Demands of Attraction and Restriction of Potential Pollinators; Chapter 12 Nectar: Plant Interface for Complex Interaction with Biotic Environment; Chapter 13 Hormonal Status of the Pollen- Pistil System: Role after Pollination Chapter 14 Prevalence of Self- Sterility and other Reproductive Traits in Angiosperm Families with High Diversifi cation RatesChapter 15 Polyembryony; Color Plate Section; Back Cover

Sommario/riassunto

Reproductive biology is the basis of species improvement and a thorough understanding of this is needed for plant improvement, whether by conventional or biotechnological methods. This book presents an up to date and comprehensive description of reproduction in lower plants, gymnosperms and higher plants. It covers general plant biology, pollination, pollen-pistil interaction, post-fertilization changes, and seed dormancy.
