1. Record Nr. UNINA9910143321303321

Titolo	Seed development, dormancy and germination [[electronic resource] /] / edited by Kent Bradford and Hiroyuki Nongaki
Pubbl/distr/stampa	Oxford, : Blackwell, 2007
ISBN	1-280-74876-1 9786610748761 0-470-76407-4 0-470-98884-3 1-4051-7327-0
Descrizione fisica	1 online resource (390 p.)
Collana	Annual plant reviews ; ; v. 27
Altri autori (Persone)	BradfordK. J (Kent J.) NongakiHiroyuki
Disciplina	571.862 580.5 581.4/67 581.467
Soggetti	Seeds - Development Seeds - Dormancy Germination Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Seed Development, Dormancy and Germination; Contents; List of Contributors; Preface; 1 Genetic control of seed development and seed mass; 1.1 Introduction; 1.2 Overview of seed development in angiosperms; 1.3 Genetic control of embryo development; 1.3.1 Central regulators of embryogenesis; 1.3.2 Genes involved in the morphogenesis phase of embryo development; 1.3.3 Regulators of the maturation phase of embryo development; 1.4 Genetic control of endosperm development; 1.4.1 Genes required for cereal endosperm development; 1.4.2 Genes that repress autonomous endosperm development 1.5 Genetic aspects of testa development1.5.1 Genetic regulation of

flavonoid biosynthesis and accumulation; 1.5.2 Regulators of mucilage biosynthesis and accumulation; 1.6 Control of seed mass; 1.6.1 Genetic factors affecting seed mass; 1.6.2 Testa development and seed mass; 1.6.3 Endosperm development and seed mass; 1.6.4 Sugar transport and metabolism during seed development; 1.6.5 Metabolic control of seed development and size; 1.7 Perspective; References; 2 Seed coat development and dormancy; 2.1 Introduction; 2.2 Development and anatomy of the seed coat; 2.2.1 The seed envelopes
2.2.2 The Arabidopsis testa2.3 Role of the seed coat in seed dormancy and germination; 2.3.1 Constraints imposed by the seed coat; 2.3.2 Flavonoids in Arabidopsis seeds; 2.3.2.1 Main flavonoid end-products present in seeds; 2.3.2.2 Molecular genetics of flavonoid metabolism; 2.3.2.3 Effects of flavonoids on seed dormancy and germination; 2.3.3 Flavonoids in seed dormancy and germination of various species; 2.3.3.1 Solanaceae; 2.3.3.2 Water permeability of testae in Leguminosae and other species; 2.3.3.3 Flavonoids and other phenolics as direct and indirect germination inhibitors
2.3.3.4 Pre-harvest sprouting (PHS) in cereals2.3.3.5 Heteromorphism and physiological heterogeneity among seeds; 2.3.3.6 Interactions with endosperm; 2.4 Link between seed coat-imposed dormancy and longevity; 2.5 Concluding remarks; References; 3 Definitions and hypotheses of seed dormancy; 3.1 Introduction; 3.2 Classifications of dormancy; 3.2.1 Endogenous dormancy; 3.2.2 Exogenous dormancy; 3.3 Definitions of dormancy; 3.4 Primary dormancy; 3.4.1 Induction of primary dormancy; 3.4.1.1 Role of ABA in dormancy induction; 3.4.1.2 Developmental programs and dormancy induction
3.4.2 Release of primary dormancy3.4.2.1 After-ripening; 3.4.2.2 Regulation of dormancy in imbibed seeds; 3.5 Secondary dormancy; 3.6 Signaling in dormancy; 3.6.1 Stress signaling; 3.6.2 Signaling networks; 3.6.3 Environmental signals; 3.7 Challenges for the future; References; 4 Modeling of seed dormancy; 4.1 Introduction; 4.2 Types and phenology of seed dormancy; 4.3 Environmental control of dormancy; 4.3.1 Factors affecting dormancy levels of seed populations; 4.3.1.1 Temperature; 4.3.1.2 After-ripening; 4.3.1.3 Stratification; 4.3.2 Factors that stimulate germination
4.3.2.1 Fluctuating temperature

Sommario/riassunto

The formation, dispersal and germination of seeds are crucial stages in the life cycles of gymnosperm and angiosperm plants. The unique properties of seeds, particularly their tolerance to desiccation, their mobility, and their ability to schedule their germination to coincide with times when environmental conditions are favorable to their survival as seedlings, have no doubt contributed significantly to the success of seed-bearing plants. Humans are also dependent upon seeds, which constitute the majority of the world's staple foods (e.g., cereals and legumes). Seeds are an excellent system f

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Record Nr.	UNISALENTO991002943129707536
Autore	Schumpeter, Joseph Alois
Titolo	Il fenomeno fondamentale dello sviluppo economico : due capitoli dalla Theorie der wirtschaftlichen Entwicklung (1911) / Joseph A. Schumpeter ; a cura di Adelino Zanini
Pubbl/distr/stampa	Bologna : Il mulino, c2015
ISBN	9788815258366 8815258361
Descrizione fisica	200 p. ; 22 cm
Collana	Percorsi. Scienza politica
Altri autori (Persone)	Zanini, Adelino
Disciplina	339.5
Soggetti	Sviluppo economico - Teorie Economia - Teorie
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

3. Record Nr. UNICAMPANIAVAN00123642

Titolo	Bioactivity of Engineered Nanoparticles / Bing Yan, Hongyu Zhou, Jorge L. Gardea-Torresdey editors
Pubbl/distr/stampa	Singapore, : Springer, 2017
Descrizione fisica	XIV, 376 p. : ill. ; 24 cm
Disciplina	615.1 615.19 615.902 610.28 620.5 620.1 541.395
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia