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Titolo	Desiccation and survival in plants [[electronic resource]] : drying without dying // edited by M. Black and H.W. Pritchard
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Descrizione fisica	1 online resource (422 p.)
Altri autori (Persone)	BlackMichael PritchardH. W
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Soggetti	Plant-water relationships Plants - Drought tolerance Plants - Adaptation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Contents; Contributors; Preface; Part I Introduction; 1 Drying Without Dying; Part II Methodology; 2 Methods for the Study of Water Relations Under Desiccation Stress; 3 Experimental Aspects of Drying and Recovery; 4 Biochemical and Biophysical Methods for Quantifying Desiccation Phenomena in Seeds and Vegetative Tissues; Part III Biology of Dehydration; 5 Desiccation Sensitivity in Orthodox and Recalcitrant Seeds in Relation to Development; 6 Pollen and Spores: Desiccation Tolerance in Pollen and the Spores of Lower Plants and Fungi 7 Vegetative Tissues: Bryophytes, Vascular Resurrection Plants and Vegetative Propagules8 Systematic and Evolutionary Aspects of Desiccation Tolerance in Seeds; Part IV Mechanisms of Damage and Tolerance; 9 Desiccation Stress and Damage; 10 Biochemistry and Biophysics of Tolerance Systems; 11 Molecular Genetics of Desiccation and Tolerant Systems; 12 Rehydration of Dried Systems: Membranes and the Nuclear Genome; Part V Retrospect and Prospect; 13 Damage and Tolerance in Retrospect and Prospect; Glossary; Taxonomic Index; Subject Index
Sommario/riassunto	This book is divided into three sections, dealing with: the technical

background to desiccation tolerance studies; the frequency and levels of dehydration stress tolerance in biological systems; mechanisms of damage and tolerance.
