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Altri autori (Persone)	JacksonMichael <1948-> Ford-LloydBrian ParryM. L (Martin L.)
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Nota di contenuto	Food security, climate change and genetic resources / Robert S. Zeigler -- Genetic resources and conservation challenges under the threat of climate change / Brian Ford-Lloyd, Johannes M.M. Engels and Michael Jackson -- Climate projections / Richard A. Betts and Ed Hawkins -- Effects of climate change on potential food production and risk of hunger / Martin Parry -- Regional impacts of climate change on agriculture and the role of adaptation / Pam Berry ... [et al.] -- International mechanisms for conservation and use of genetic resources / Gerald Moore and Geoffrey Hawtin -- Crop wild relatives and climate change / Nigel Maxted, Shelagh Kell and Joana Magos Brehm -- Climate change and on-farm conservation of crop landraces in centres of diversity / Mauricio R. Bellon and Jacob van Etten -- Germplasm databases and informatics / Helen Ougham and Ian D.

Thomas -- Exploring "omics" of genetic resources to mitigate the effects of climate change / Kenneth L. McNally -- Harnessing meiotic recombination for improved crop varieties / Susan J. Armstrong -- High temperature stress / Maduraimuthu Djanaguiraman and P.V. Vara Prasad -- Drought / Salvatore Ceccarelli -- Salinity / William Erskine, Hari D. Upadhyaya and Al Imran Malik -- Response to flooding: submergence tolerance in rice / Abdelbagi M. Ismail and David J. Mackill -- Effects of climate change on plant-insect interactions and prospects for resistance breeding using genetic resources / Jeremy Pritchard, Colette Broekgaarden and Ben Vosman.

Sommario/riassunto

This book will address the current state of climate change predictions, and how climate change will affect conservation and use of crop germplasm, both ex situ and in situ. In addition, specific examples of germplasm research related to 'climate change threats' will be highlighted. Such activities need to take place under a regime of access to and use of germplasm through international conventions and treaties.
