

1. Record Nr.	UNINA9910424633103321
Autore	Rogers Gary <1938->
Titolo	Desert weeds : personal narrative on botanical first responders / / Garry Rogers
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-45854-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 353 p. 307 illus., 194 illus. in color.)
Disciplina	581.754
Soggetti	Desert plants Desert ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- The weed problem -- The lives of weeds -- Controlling weeds -- Weeds, nature conservation, and global warming -- Coldwater farm habitats -- Drawings, paintings, and photographs -- Plant names -- Desert weeds identification -- Field guide -- Conclusion -- Afterword -- References -- Index.
Sommario/riassunto	In their rapid colonization of soil exposed by fires, floods, and grazing animals, weeds resemble the human specialists we label Emergency Medical Technicians (EMTs). Weeds are the first responders when disasters occur in nature. They occupy bare soil and prevent erosion by wind and water. In extreme cases such as a landslide, weeds are essential to the healing processes that replace the lost soil. Like a Band-Aid on a skinned knee, weeds protect the land while it recovers. Besides protecting the soil after disaster, weeds provide food for wildlife, and some of them provide food and medicine for people. Able to withstand harsh conditions, weeds will proliferate as global warming and other human impacts intensify. Thus, nature's EMTs will increase while all other plants decline. The book provides a succinct definition of weeds according to their form and function in ecosystem processes. The narrative uses a representative set of weed species from a desert location to illustrate the full range of weed characteristics.