

1. Record Nr.	UNINA9910458650503321
Titolo	The golden mouse [[electronic resource]] : ecology and conservation / / edited by Gary W. Barrett, George A. Feldhamer
Pubbl/distr/stampa	New York, N.Y., : Springer, c2008
ISBN	1-281-21691-7 9786611216917 0-387-33666-4
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (250 p.)
Altri autori (Persone)	BarrettGary W FeldhamerGeorge A
Disciplina	599.35
Soggetti	Muridae - Ecology - Southern States Muridae - Conservation - Southern States Mice - Southern States Electronic books.
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 index.
Nota di contenuto	The golden mouse : a levels-of-organization perspective / Gary W. Barrett -- The golden mouse : taxonomy and natural history / George A. Feldhamer and Donald W. Linzey -- Population ecology of the golden mouse / Robert K. Rose -- Community ecology of the golden mouse / Cory C. Christopher and Guy N. Cameron -- Ecosystem ecology of the golden mouse / Steven W. Seagle -- Landscape ecology of the golden mouse / Jerry O. Wolff and Gary W. Barrett -- Relative abundance and conservation : is the golden mouse a rare species? / George A. Feldhamer and Anita T. Morzillo -- The golden mouse : a model of energetic efficiency / John D. Peles and Gary W. Barrett -- Nesting ecology of the golden mouse : an oikos engineer / Thomas M. Luhring and Gary W. Barrett -- Ectoparasites, bots, and vector-borne diseases associated with the golden mouse / Lance A. Durden -- Aesthetic landscapes of the golden mouse / Terry L. Barrett and Gary W. Barrett -- Future challenges and research opportunities : what do we really know? / Gary W. Barrett and George A. Feldhamer.
Sommario/riassunto	No group of mammals has more species than Rodentia. With close to

2300 recognized species throughout the world, Rodents comprise about forty-two percent of all living mammalian species. These mammals can have major impacts on human life—they can be major crop depredators, vectors of disease, and important models for scientific research. When we hear the familiar phrase charismatic mammalian megafauna, we immediately envision large, powerful carnivores like lions and grizzly bears, or sleek, graceful ungulates like deer and antelope. But we rarely hear about charismatic mammalian microfauna, such as mice. The golden mouse is considered by many to be the most charismatic and ecologically unique of the mammalian microfauna. This volume is the first attempt to draw together what is known about the golden mouse ranging from systematics, natural history, and population dynamics to coexistence, nesting behavior, and semi-arboreal living in managed and natural ecological systems. In this scholarly work, the golden mouse is used as a model to explore conceptual issues in ecology across levels of organization from organism to landscape, integrating reductionism and holistic ecological science. Chapters also include ecological processes such as behavior, energetics, evolution, and regulation that transcend these levels of organization. Future integrative research studies across levels of organization also are addressed. *The Golden Mouse: Ecology and Conservation* will interest students and professionals in conservation biology, ecology, mammalogy, and wildlife management, as well as readers interested in natural history. About the Editors: Gary W. Barrett is Odum Professor of Ecology at the University of Georgia, Athens, GA. George A. Feldhamer is Professor of Zoology, and Director of the Environmental Studies Program at Southern Illinois University, Carbondale, IL.
