

1. Record Nr.	UNINA9910955151203321
Titolo	Rodents : habitat, pathology and environmental impact / / Alfeo Triunveri and Desi Scalise, editors
Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science, 2012
ISBN	1-61470-904-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (208 p.)
Collana	Animal science, issues, and professions
Altri autori (Persone)	TriunveriAlfeo ScaliseDesi
Disciplina	599.35
Soggetti	Rodents Rodents - Ecology
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	Intro -- RODENTSHABITAT, PATHOLOGY AND ENVIRONMENTAL IMPACT -- ANIMAL SCIENCE, ISSUES AND PROFESSIONS -- RODENTSHABITAT, PATHOLOGY AND ENVIRONMENTAL IMPACT -- LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA -- CONTENTS -- PREFACE -- CHAPTER 1. RODENTS IN URBAN ECOSYSTEMS OF RUSSIA AND THE USA -- ABSTRACT -- TERMINOLOGY AND DIFFERENCES IN TERMS BETWEEN WESTERN AND RUSSIAN LITERATURES -- SPECIFIC CHARACTERISTICS OF URBAN TERRITORIES AS AN ENVIRONMENT FOR RODENTS -- BIOLOGICAL TRAITS OF URBAN RODENTS -- NORWAY RATS -- BLACK RATS -- HOUSE MICE -- WILD RODENTS WITHIN URBAN TERRITORIES -- REFERENCES -- CHAPTER 2. EXTRINSIC AND INTRINSIC FACTORS OF REGULATION OF REPRODUCTIVE POTENTIAL IN THE WATER VOLE (ARVICOLA AMPHIBIUS) POPULATION FROM WESTERN SIBERIA -- ABSTRACT -- INTRODUCTION -- POPULATION REGULATION IN REPRODUCTIVE SEASON -- Material and Methods -- Results and Discussion -- WINTER FACTORS OF POPULATION REGULATION -- Material and Methods -- Results and Discussion -- CONCLUSION -- ACNOWLEDGMENTS -- REFERENCES -- CHAPTER 3. RODENTS AND SPACE: WHAT BEHAVIOR DO WE STUDY UNDER SEMI-NATURAL AND LABORATORY CONDITIONS? -- INTRODUCTION -- REFERENCES -- CHAPTER 4. PROECHIMYS: A RODENT STILL POORLY UNDERSTOOD -- ABSTRACT -- INTRODUCTION -- PROECHIMYS TAXONOMY --

PROECHIMYS: POTENTIAL RESERVOIR OF DISEASES -- PROECHIMYS RODENTS AND NEUROSCIENCE -- REFERENCES -- CHAPTER 5. NICHE OVERLAP AND RESOURCE PARTITIONING AMONG THREE URBAN RODENT SPECIES -- ABSTRACT -- INTRODUCTION -- METHODS -- Study Area -- Data Collection -- Data Analysis -- RESULTS -- DISCUSSION -- CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES -- CHAPTER 6. HELMINTH PARASITES OF HYDROMYINE RODENTS FROM THE ISLAND OF NEW GUINEA -- ABSTRACT -- INTRODUCTION -- MURIDAE -- HELMINTHS -- ACANTHOCEPHALA -- PLATYHELMINTHES -- NEMATODA -- CONCLUSION -- ACKNOWLEDGMENTS -- REFERENCES.

CHAPTER 7. RODENT MANAGEMENT IN ANIMAL FARMS BY ANTICOAGULANT RODENTICIDES -- ABSTRACT -- INTRODUCTION -- NON-LETHAL MANAGEMENT -- FAST-ACTING RODENTICIDES -- SLOW-ACTING RODENTICIDES: THE ANTICOAGULANTS -- RODENTICIDE FORMULATIONS -- BAIT CONTAINERS -- FOOD AVAILABILITY AND CONTROL EFFICACY -- SOCIAL DOMINANCE AND CONTROL EFFICACY -- Control Success Assessment -- (A) Live Trapping -- (B) Tracking -- (C) Rodent Droppings -- (D) Re-Opened Hole Census -- (E) Food Consumption -- TESTING COMMERCIAL FORMULATIONS -- METHODS -- RESULTS -- CONCLUSION -- REFERENCES -- CHAPTER 8. SUSTAINED AGRICULTURE: THE NEED TO MANAGE RODENT DAMAGE -- INTRODUCTION -- THE NATURE OF RODENTS -- RODENT DAMAGE AND THE SPECIES CAUSING DAMAGE -- LEVELS OF RODENT DAMAGE -- MONITORING RODENT POPULATIONS -- CHALLENGES TO MANAGING RODENT DAMAGE AND POPULATIONS -- POPULATION MANAGEMENT OF RODENTS -- ECOLOGICAL RELATIONSHIPS: PHYSICAL AND BIOTIC ENVIRONMENT -- INFLUENCING FOOD AND SHELTER TO REDUCE RODENT POPULATIONS OR DAMAGE -- EXCLUSION OF RODENTS FROM AREAS OR RESOURCES -- INFLUENCE OF LAND USES, MANAGEMENT PRACTICES AND HUMAN ACTIVITIES ON RODENT POPULATIONS -- DECISION SUPPORT SYSTEMS -- RESEARCH NEEDS AND FUTURE PROSPECTS -- REFERENCES -- INDEX.

Sommario/riassunto

This book gathers topical research from across the globe in the study of the habitat, pathology and environmental impact of the rodent population. Topics discussed include rodents in urban ecosystems of Russia and the USA; the European water vole of Western Siberia; a study of rodents in field investigations; the potential use of Proechimys (spiny rat) in the field of neuroscience; niche overlap and resource partitioning among three urban rodent species; helminth parasites of hydromyine rodents from the island of New Guinea and rodent management in animal farms by anticoagulant rodenticides.
