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Titolo	The gnu's world : Serengeti wildebeest ecology and life history // Richard D. Estes
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ISBN	0-520-95819-5
Descrizione fisica	1 online resource (369 p.)
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Soggetti	Gnus - Tanzania - Serengeti Plain 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	Front matter -- Contents -- Acknowledgments -- Introduction: The Author's Fifty-Year History of Wildebeest Research -- 1. Africa: The Real Home Where Antelopes Roam -- 2. African Savannas: Understanding the Tropical Climate, Vegetation, and the Gnu's Ecological Niche -- 3. Introducing the Wildebeest's Tribe: Similarities and Differences among the Four Genera and Seven Species -- 4. The Four Wildebeest Subspecies and the Status of Migratory Populations -- 5. Increase and Protection of the Serengeti Wildebeest Population -- 6. Serengeti Grasslands and the Wildebeest Migration -- 7. Social Organization: Comparison of Migratory and Resident Populations -- 8. Male and Female Life Histories -- 9. Cooperation and Competition among Twenty-Seven Ungulates That Coexist with the Wildebeest -- 10. The Amazing Migration and Rut of the Serengeti Wildebeest -- 11. The Calving Season: Birth and Survival in Small Herds and on Calving Grounds -- 12. Serengeti Shall Not Die? Africa's Most Iconic World Heritage Site under Siege -- Bibliography -- Index
Sommario/riassunto	This is the first scholarly book on the antelope that dominates the savanna ecosystems of eastern and southern Africa. It presents a synthesis of research conducted over a span of fifty years, mainly on the wildebeest in the Ngorongoro and Serengeti ecosystems, where eighty percent of the world's wildebeest population lives. Wildebeest

and other grazing mammals drive the ecology and evolution of the savanna ecosystem. Richard D. Estes describes this process and also details the wildebeest's life history, focusing on its social organization and unique reproductive system, which are adapted to the animal's epic annual migrations. He also examines conservation issues that affect wildebeest, including range-wide population declines.

2. Record Nr.	UNINA9910568285703321
Titolo	Applied Mycology : Entrepreneurship with Fungi // edited by Amrithesh Chandra Shukla
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783030906498 9783030906481
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (451 pages)
Collana	Fungal Biology, , 2198-7785
Disciplina	660.62 579.5
Soggetti	Fungi Mycology Microbiology Plant biotechnology Plant genetics Agricultural biotechnology Industrial microbiology Food - Microbiology Plant Biotechnology Plant Genetics Agricultural Biotechnology Industrial Microbiology Food Microbiology Fongs Micologia Llibres electrònics
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Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Preface -- Marine Microbial Enzymes and Their Applications -- Mycoparasitism -- Yeast in Entrepreneurship -- The Edible and Medicinal Fungi -- Mushrooms in Enzyme Production -- Fungal Proteins with Biotechnology Potential -- Microbased Biorefinery for Gold Nanoparticle Production -- Mushrooms as Potential Sources of Entrepreneurships -- Lignocellulosic Biomass and Conversion into Biofuels -- Trichoderma as Potential Biofungicidal and Plant Growth Promoter -- Myco-Metabolites and Their Applications -- Natural Products of Endophytic Fungi and Their Applications -- Fungi as Sources of Biobased Fiber Materials -- Fungal Consortium for Organic Municipal Solid Waste Composting -- Fungal Applications in Biomass to Biorefineries -- Bioengineering Tools for the Production of Pharmaceuticals -- Fungal Metabolites as Sources of Medicines and Dietary Supplements -- Fungi as a Biocontrol Agent -- Bio-Prospects of Fungal Endophytes -- Value-Added Products of Mushrooms -- Index.</p>
Sommaro/riassunto	<p>Fungi are an important link in the food webs of all ecosystems. They have immense potential and comprise a myriad of useful bioactive compounds. Fungi feature in a wide range of diverse processes and applications in modern agriculture, the food science industry, and the pharmaceutical industry. In the food and drink arena, the role of fungi is historically important in the form of mushrooms and in fermented foods as yeasts for baking and brewing. These roles are supplemented by the use of fungal food processing enzymes and additives, and more recently in the development of protein-based foodstuffs from fungi. Additionally, they are used in the formulation of biofertilizers and biopesticides used as biostimulants and bioprotectants of crops. The practical use of newer techniques such as genetic recombination and robotics have revolutionized the modern agricultural biotechnology industry, and have created an enormous range of possible further applications of fungal products. Myco-materials created from mycelia (the root-like parts of fungi) are gaining attention as a sustainable alternative for a wide range of materials. They are being used as insulation, sustainable packaging, foam inserts, and even "eco-leather." In fact, mycelium bricks are pound-for-pound stronger than concrete. In addition, medicinal uses of fungal species have been historically recorded as important agents in the pharmaceutical sciences. The potential for myco-materials seems limitless. The field of mycology and its application has become an increasingly important component in the education of industrial biotechnology. This book on applied mycology provides information helpful for developing entrepreneurial opportunities with fungi. This volume explains both the basic science and the applications of mycology and bio-resource technology with special emphasis on entrepreneurial applications. It offers a complete, one-stop resource for those interested in microbiology, food and agricultural science, medical mycology, and for those in industrial biotechnology.</p>