

Ecology and Management of the African Buffalo

One of iconic Africa's Big Five, the African buffalo is the largest African bovine or antelope that occurs throughout most of sub-Saharan and in a wide range of ecosystems from savanna to rainforest. The African buffalo is also one of the most successful large African mammals in terms of abundance and biomass. This species thus represents a powerful model to enhance our understanding of African biogeography and wildlife conservation, ecology and management. Edited by four researchers experienced in different aspects of the African buffalo's biology, this volume provides an exhaustive compilation of knowledge on an emblematic species that stands out as an important component of African natural and human ecosystems. It delivers a global view of the African buffalo and all known aspects of its ecology and management. This book will appeal to students, scholars, scientists and wildlife managers as well as those enthusiastic about the charismatic species. This title is also available as Open Access on Cambridge Core.

ALEXANDRE CARON is a Doctor in Veterinary Medicine and wildlife ecologist specializing in the ecology of infectious disease transmission at the wildlife/livestock interface in the African landscape. For the past 20 years, he has coordinated projects linked to Health Ecology, One Health and Sustainability Science in Southern Africa. He is a permanent researcher at CIRAD (French Agricultural Research Centre for International Development).

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ECOLOGY, BIODIVERSITY AND CONSERVATION

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The world's biological diversity faces unprecedented threats. The urgent challenge facing the concerned biologist is to understand ecological processes well enough to maintain their functioning in the face of the pressures resulting from human population growth. Those concerned with the conservation of biodiversity and with restoration also need to be acquainted with the political, social, historical, economic and legal frameworks within which ecological and conservation practice must be developed. The new Ecology, Biodiversity and Conservation series will present balanced, comprehensive, up-to-date and critical reviews of selected topics within the sciences of ecology and conservation biology, both botanical and zoological, and both 'pure' and 'applied'. It is aimed at advanced final-year undergraduates, graduate students, researchers and university teachers, as well as ecologists and conservationists in industry, government and the voluntary sectors. The series encompasses a wide range of approaches and scales (spatial, temporal and taxonomic), including quantitative, theoretical, population, community, ecosystem, landscape, historical, experimental, behavioural and evolutionary studies. The emphasis is on science related to the real world of plants and animals rather than on purely theoretical abstractions and mathematical models. Books in this series will, wherever possible, consider issues from a broad perspective. Some books will challenge existing paradigms and present new ecological concepts, empirical or theoretical models, and testable hypotheses. Other books will explore new approaches and present syntheses on topics of ecological importance.

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