



# Ecological and Environmental Physiology of Mammals

## Ecological and Environmental Physiology Series Series Editor: **Warren Burggren**

### Volume 5—Mammals

Mammals are the so-called 'pinnacle' group of vertebrates, successfully colonizing virtually all terrestrial environments as well as the air (bats) and sea (especially pinnipeds and cetaceans). How mammals function and survive in these diverse environments has long fascinated mammalogists, comparative physiologists, and ecologists.

*Ecological and Environmental Physiology of Mammals* explores the physiological mechanisms and evolutionary necessities that have made the spectacular adaptation of mammals possible. It summarizes our current knowledge of the complex and sophisticated physiological approaches that mammals have for survival in a wide variety of ecological and environmental contexts: terrestrial, aerial, and aquatic. The authors have a strong comparative and quantitative focus in their broad approach to exploring mammal ecophysiology. As with other books in the *Ecological and Environmental Physiology Series*, the emphasis is on the unique physiological characteristic of mammals and their adaption to extreme environments. Current experimental techniques and future research directions are also considered.

This accessible text is suitable for graduate level students and researchers in the fields of mammalian comparative physiology and physiological ecology, including specialist courses in mammal ecology. It will also be of value and use to the many professional mammalogists requiring

Each volume in the *Ecological and Environmental Physiology Series* focuses on the ecological and environmental features of their habitats.

EEPS comprises short, affordable volumes that will appeal to students, researchers, consultants, and other professionals in the fields of physiology, physiological ecology, and ecology.

Please visit <http://www.eeps-oxford.com/> for more information.

Cover image: © iStockphoto.com.

**OXFORD**  
UNIVERSITY PRESS

[www.oup.com](http://www.oup.com)

9780199642724 生物科学  
分类号: Q95  
9780199642724 A  
1 库 D0106

ISBN 978-0-19-964272-4



9 780199 642724