

Χαρακτηριστικά:

- Covers the most important species used in life sciences research focusing on biology, diseases, and management
- Provides a renewed focus on animal welfare and expanded coverage of non-human primates, fishes, avian models
- Includes guidance on laboratory animal program and human resources management
- Presents regulations, policies, and laws for laboratory animal management worldwide

Περιεχόμενα:

1. Laboratory Animal Medicine Historical Perspectives
2. Animal Welfare (incl euthanasia)
3. Laws, Regulations, and Policies Affecting the Use of Laboratory Animals
4. Biology and Diseases of Mice
5. Biology and Diseases of Rats
6. Guinea Pigs, Hamsters & Gerbils
7. Biology and Diseases of Other Rodents
8. Biology and Diseases of Rabbits
9. Microbiological Quality Control for Laboratory Rodents and Lagomorphs
10. Biology and Diseases of Dogs
11. Biology and Diseases of Cats
12. Biology and Diseases of Ferrets
13. Biology and Diseases of Ruminants
14. Biology and Diseases of Swine
15. New World Primates
16. Old World Primates
17. The Biology and Management of the Zebrafish and Other Fish
18. Other Fish
19. Biology and Diseases of Amphibians
20. Biology and Diseases of Reptiles
21. Biology and Diseases of Avian Models in Research
22. Animal Models in Biomedical Research
23. Techniques of Experimentation
24. Pre-anesthesia, Anesthesia, Analgesia
25. Factors that Influence Animal Research
26. Design and Management of Research Facilities & Lab Animal Programs
27. Working Safely with Experimental Animals Exposed to Biohazards
28. Zoonoses
29. Genetically Modified Animals
30. Gnotobiotics
31. Microbiome Research
32. Infectious Disease Research and Biocontainment

- 33. Transplant Medicine
- 33. Program Management
- 34. Lab Animal Behavior

Appendix

- 1. In Vitro Alternatives
- 2. Invertebrates and Cephalopods