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A GARLAND SCIENCE BOOK

# PARASITOLOGY

## A Conceptual Approach

Second Edition

Eric S. Loker

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# PARASITOLOGY

## A Conceptual Approach

Second Edition

Eric S. Loker  
Bruce V. Hofkin

Produced amidst the still rippling effects of a pandemic and as the world experiences the increasing burden of global warming and a rapidly changing biosphere, the second edition of *Parasitology: A Conceptual Approach* offers a timely overview of the eukaryotic parasites affecting human health and the health of domestic and wild animals and plants. The book offers a broadly encompassing, integrative view of the phenomenon of parasitism and of the remarkable diversity of the world's parasites. This second edition has been thoroughly updated on all aspects of parasitism, including expanded sections on parasite biodiversity, parasite genomes, the interface between parasitology and disease ecology, and applications of new techniques like CRISPR and gene drives for parasite control.

### Key selling features:

- Emphasis on a distinctive integrative and conceptual approach rather than the taxon-by-taxon approach used in most parasitology books
- A concise, handy *Rogues' Gallery* section that summarizes the basic biology for the most important eukaryotic parasites of humans and domestic animals, one a reader is repeatedly directed to throughout the chapters
- Outstanding full-color illustrations and photographs to reinforce key points
- The use of text boxes to set apart important topics or ideas that deserve special emphasis
- Provision of end-of-chapter summaries, questions to test understanding and key references for those wishing to seek further information
- Reference to particular URLs to highlight recent developments that often pose new and distinctive problems awaiting solution

*Parasitology: A Conceptual Approach* is designed for an upper-level undergraduate audience, but its readability and careful explanation of underlying scientific concepts and terminology makes it appropriate for anyone seeking a broader understanding of the impact of infectious organisms on our well-being and the changes underway in the modern world.



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