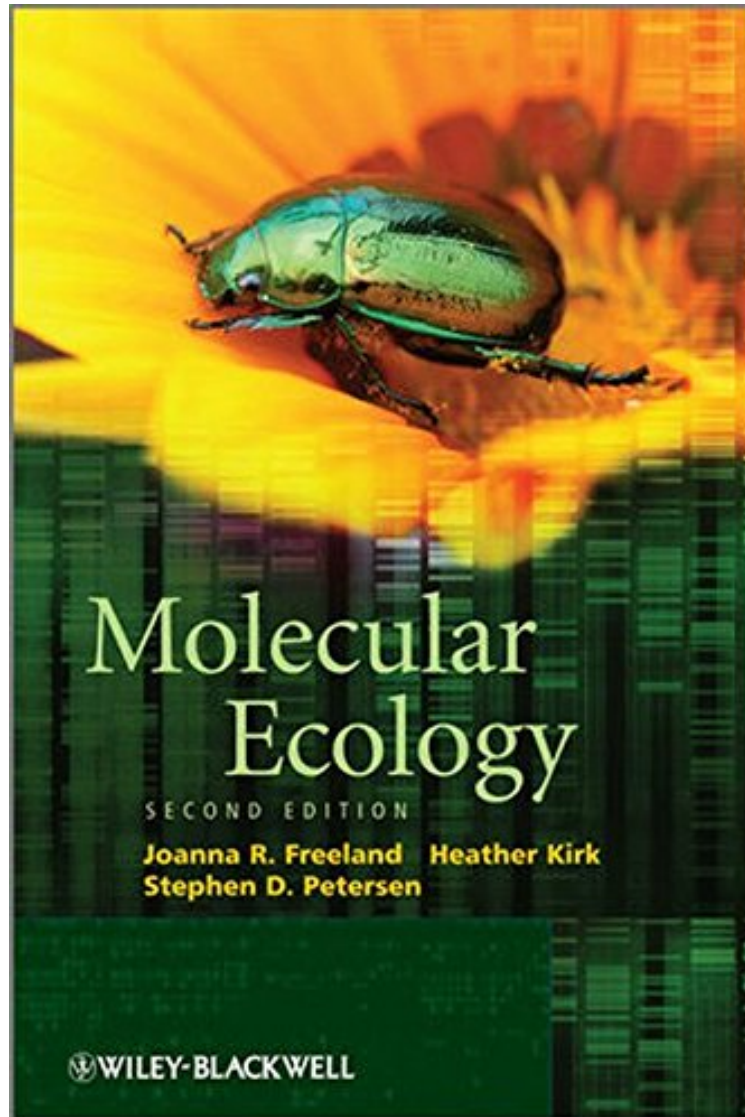


(Read and download) Molecular Ecology

## Molecular Ecology

*Joanna R. Freeland, Stephen D. Petersen*  
*ePub | \*DOC | audiobook | ebooks | Download PDF*



[Download](#)

[Read Online](#)

#901762 in Books imusti 2011-04-25Original language:EnglishPDF # 1 9.40 x 1.10 x 6.60l, 1.75 #File Name: 0470748338464 pagesWiley-Blackwell | File size: 39.Mb

**Joanna R. Freeland, Stephen D. Petersen : Molecular Ecology** before purchasing it in order to gage whether or not it would be worth my time, and all praised Molecular Ecology:

0 of 0 people found the following review helpful. It's excellent, well-writtenBy CustomerThis is at least my fourth recent read book on molecular ecology and conservation genetics (getting up to speed again for my MSc thesis study). It's excellent, well-written, accurate and has a user-friendly text. I'm halfway through and I've enjoyed (and profited from) almost every page.My only gripe (not enough to take any stars off) is that they gloss over NextGen technologies, but I suppose that's not unusual since it's a 2011 text and the field changes so rapidly. I'm very eager for

the 3rd Edition of Beebee Rowe (same title) to be released in March 2017--that will probably warrant six stars if their first two editions are anything to go by. 1 of 1 people found the following review helpful. Four Stars By bruno gheri Really easy to read and understand. loved the book. 1 of 1 people found the following review helpful. Great Overview of a Broad Topic! By Noah Purchased this book for a graduate course on methods of molecular ecology, and it proved to be a valuable resource. I would recommend this book, as a starting point, to any student interested in this field of research.

Molecular Ecology, 2nd Edition provides an accessible introduction to the many diverse aspects of this subject. The book takes a logical and progressive approach to uniting examples from a wide range of taxonomic groups. The straightforward writing style offers in-depth analysis whilst making often challenging subjects such as population genetics and phylogenetics highly comprehensible to the reader. The first part of the book introduces the essential underpinnings of molecular ecology and gives a review of genetics and discussion of the molecular markers that are most frequently used in ecological research, and a chapter devoted to the newly emerging field of ecological genomics. The second half of the book covers specific applications of molecular ecology, covering phylogeography, behavioural ecology and conservation genetics. The new edition provides a thoroughly up-to-date introduction to the field, emphasising new types of analyses and including current examples and techniques whilst also retaining the information-rich, highly readable style which set the first edition apart. Incorporates both theoretical and applied perspectives Highly accessible, user-friendly approach and presentation Includes self-assessment activities with hypothetical cases based on actual species and realistic data sets Uses case studies to place the theory in context Provides coverage of population genetics, genomics, phylogeography, behavioural ecology and conservation genetics.

From the Back Cover Molecular Ecology, 2nd Edition provides an accessible introduction to the many diverse aspects of this subject. The book takes a logical and progressive approach to uniting theory with examples from a wide range of taxonomic groups. The straightforward writing style offers in-depth analysis whilst making often challenging subjects such as population genetics and phylogenetics highly comprehensible to the reader. The first part of the book introduces the essential underpinnings of molecular ecology, and includes a review of genetics, a discussion of the molecular markers that are most frequently used in ecological research, and a chapter devoted to the newly emerging field of ecological genomics. The second half of the book covers specific applications of molecular ecology, covering phylogeography, behavioural ecology and conservation genetics. The new edition provides a thoroughly up-to-date introduction to the field, emphasising new types of analyses and including current examples and techniques whilst also retaining the information-rich, highly readable style which set the first edition apart. Incorporates both theoretical and applied perspectives Highly accessible, user-friendly approach and presentation Includes links to online self-assessment activities with hypothetical cases based on actual species and realistic data sets Uses case studies to place the theory in context Provides coverage of population genetics, genomics, phylogeography, behavioural ecology and conservation genetics.