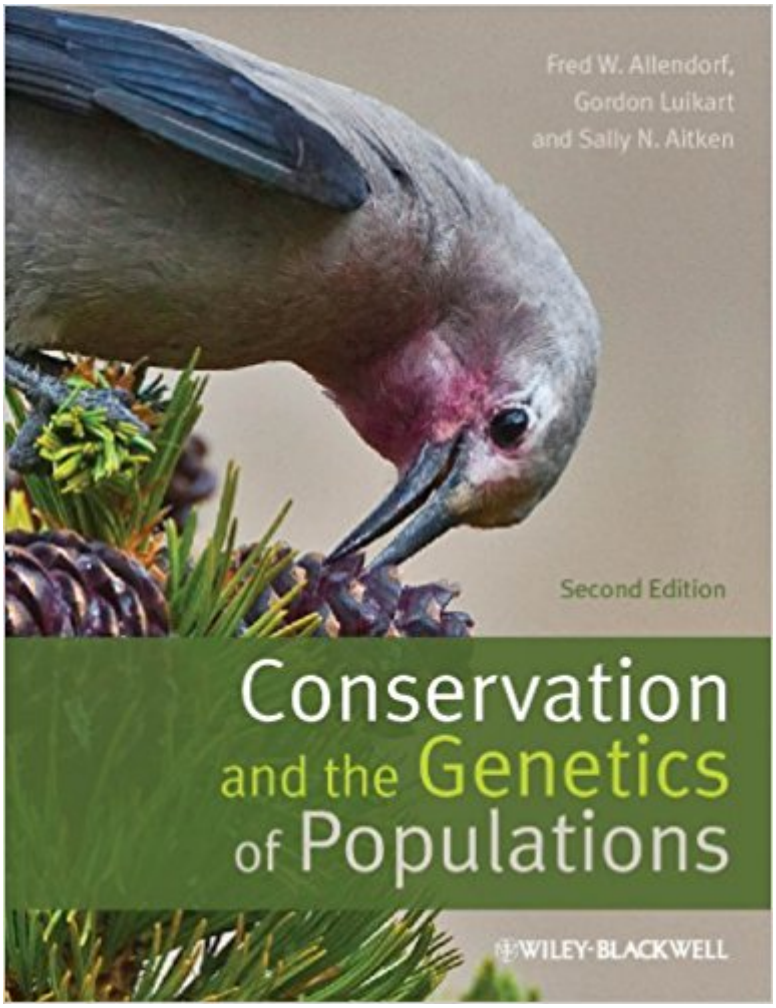
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Conservation And The Genetics Of Populations



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Synopsis

Loss of biodiversity is among the greatest problems facing the world today. Conservation and the Genetics of Populations gives a comprehensive overview of the essential background, concepts, and tools needed to understand how genetic information can be used to conserve species threatened with extinction, and to manage species of ecological or commercial importance. New molecular techniques, statistical methods, and computer programs, genetic principles, and methods are becoming increasingly useful in the conservation of biological diversity. Using a balance of data and theory, coupled with basic and applied research examples, this book examines genetic and phenotypic variation in natural populations, the principles and mechanisms of evolutionary change, the interpretation of genetic data from natural populations, and how these can be applied to conservation. The book includes examples from plants, animals, and microbes in wild and captive populations. This second edition contains new chapters on Climate Change and Exploited Populations as well as new sections on genomics, genetic monitoring, emerging diseases, metagenomics, and more. One-third of the references in this edition were published after the first edition. Each of the 22 chapters and the statistical appendix have a Guest Box written by an expert in that particular topic (including James Crow, Louis Bernatchez, Loren Rieseberg, Rick Shine, and Lisette Waits).Ã Â This book is essential for advanced undergraduate and graduate students of conservation genetics, natural resource management, and conservation biology, as well as professional conservation biologists working for wildlife and habitat management agencies. Additional resources for this book can be found at: www.wiley.com/go/allendorf/populations.Ã Â

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Customer Reviews

This is a great book, a wide range of relevant topics are covered and the whole thing is written in a readable way. I highly recommend it as a reference or class book

This is a comprehensive, excellent text written by expert biologists. The clarity of explanations and descriptions given make the many interrelated complex topics involved in conservation genetics easy to understand. This is the best text available on the subject, hands down.

This was the textbook for a graduate course in conservation genetics that I just completed. It is a great introduction to the field and very readable.

Love it !

Recommended reading for students of conservation genetics - nice and up to date summary of the field. Good mix of theory and empirical examples.

I needed this text for a class. It is much cheaper here than my school bookstore, as usual. The book was brand new and in perfect condition. It arrived quickly and without issue. I would purchase from this seller again.

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