Record Nr. UNINA9910956487203321
Autore Crisci Jorge Victor

Historical biogeography: an introduction / / Jorge V. Crisci, Liliana

Katinas, Paula Posadas

Pubbl/distr/stampa Cambridge, MA, : Harvard University Press, 2003

ISBN 9780674030046 0674030044

Edizione [1st ed.]

Titolo

Descrizione fisica 1 online resource (264 p.)

Classificazione RB 10486

Altri autori (Persone) KatinasLiliana PosadasPaula

Disciplina 578/.09

Soggetti Biogeography - History

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Note generali Description based upon print version of record.

Nota di bibliografia Includes bibliographical references (p. 210-239) and index.

Nota di contenuto Preface; Contents ; Introduction: What Is Historical Biogeography?; I.

Methods in Historical Biogeography; 1. Distribution Areas and Areas of Endemism; 2. Center of Origin and Dispersal; 3. Phylogenetic

Biogeography; 4. Ancestral Areas; 5. Panbiogeography; 6. Cladistic Biogeography; 7. Parsimony Analysis of Endemicity; 8. Event-Based Methods; 9. Phylogeography; 11. A Comparison of Methods: The Case of the Southern Beeches; II. Topics in Historical Biogeography; 12.

Molecular Phylogenies in Biogeography; 13. Biodiversity and

Conservation Evaluations; 14. Species Introduction

Conclusion: A Conceptual Framework for the FutureAppendix A:

Phylogeny; Appendix B: Software in Historical Biogeography; Glossary;

Works Cited: Index

Sommario/riassunto Though biogeography may be simply defined--the study of the

geographic distributions of organisms--the subject itself is

extraordinarily complex, involving a range of scientific disciplines and a bewildering diversity of approaches. For convenience, biogeographers have recognized two research traditions: ecological biogeography and historical biogeography. This book makes sense of the profound revolution that historical biogeography has undergone in the last two decades, and of the resulting confusion over its foundations, basic concepts, methods, and relationships to other disciplines of

comparative biology. Using case studies, the authors explain and

illustrate the fundamentals and the most frequently used methods of this discipline. They show the reader how to tell when a historical biogeographic approach is called for, how to decide what kind of data to collect, how to choose the best method for the problem at hand, how to perform the necessary calculations, how to choose and apply a computer program, and how to interpret results.