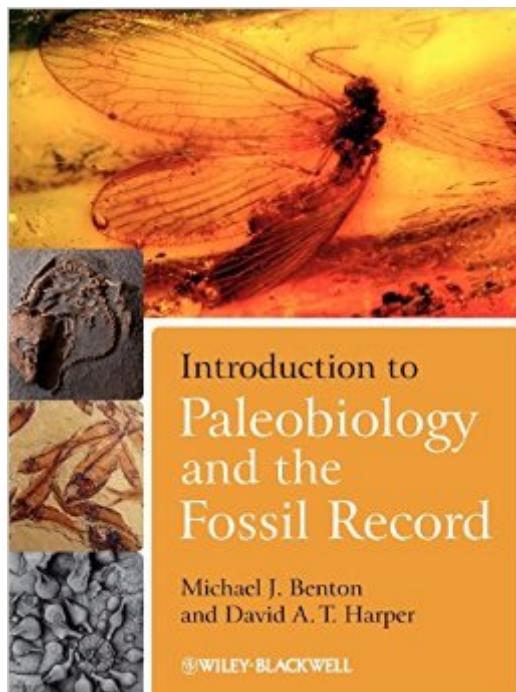


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Introduction To Paleobiology And The Fossil Record



Synopsis

This book presents a comprehensive overview of the science of the history of life. Paleobiologists bring many analytical tools to bear in interpreting the fossil record and the book introduces the latest techniques, from multivariate investigations of biogeography and biostratigraphy to engineering analysis of dinosaur skulls, and from homeobox genes to cladistics. All the well-known fossil groups are included, including microfossils and invertebrates, but an important feature is the thorough coverage of plants, vertebrates and trace fossils together with discussion of the origins of both life and the metazoans. All key related subjects are introduced, such as systematics, ecology, evolution and development, stratigraphy and their roles in understanding where life came from and how it evolved and diversified. Unique features of the book are the numerous case studies from current research that lead students to the primary literature, analytical and mathematical explanations and tools, together with associated problem sets and practical schedules for instructors and students.

âœ..any serious student of geology who does not pick this book off the shelf will be putting themselves at a huge disadvantage. The material may be complex, but the text is extremely accessible and well organized, and the book ought to be essential reading for palaeontologists at undergraduate, postgraduate and more advanced levelsâ "both in Britain as well as in North America.â • Falcon-Lang, H., Proc. Geol. Assoc. 2010 âœâ [this is an excellent introduction to palaeontology in general. It is well structured, accessibly written and pleasantly informative â ..I would recommend this as a standard reference text to all my students without hesitation.â • David Norman Geol Mag 2010 Companion website This book includes a companion website at: www.blackwellpublishing.com/paleobiology The website includes: An ongoing database of additional Practicalâ™s prepared by the authors Figures from the text for downloading Useful links for each chapter Updates from the authors

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Customer Reviews

This is a well-written intro to paleo. It is comprehensive without being boring. Many, many good illustrations. Some of the info is already out-of-date. But that can hardly be avoided considering the subject matter.

It's a challenging subject. I was surprised how this book turned up 10 notches right after chapter 1.

Very expensive book not to use color. Although fossils are discussed adequately, it does not do the job for a student who needs to learn the distinguishing characteristics of some 200 fossils in a semester. Almost overwhelming in scope, but it needs to be for a demanding class.

Exactly what my son needed for his class.

This is an excellent reference.

Great textbook. This is one many geologists will keep on hand for years.

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