

Search by expertise, name or affiliation 

The evolution and extinction of the dinosaurs

D. E. Fastovsky, D. B. Weishampel

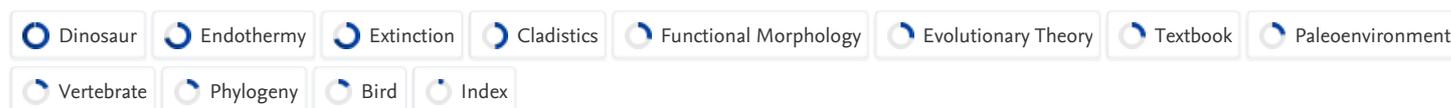
Research output: Chapter in Book/Report/Conference proceeding > Chapter

Abstract

This book, written with the non-specialist in mind, provides a comprehensive textbook on the origins, diversity and extinction of the dinosaurs including cladistic methods in systematics, endothermy, dinosaur functional morphology and the relationships of dinosaurs to birds. The text is structured in the following fashion: part one includes an introductory section followed by chapters describing the Mesozoic era: the principles of evolutionary theory, phylogeny and cladistics; interrelationships of the various vertebrates groups; and the origins of Dinosauria. Part 2 deals with the Ornithischia and includes chapters dealing in turn with Stegosauria, Ankylosauria, Pachycephalosauria, Ceratopsia, and Ornithomimidae. Part 3 covers Saurischia with chapters covering: Sauropodomorpha and Theropoda. Part 4 contains chapters covering endothermy, palaeoenvironments and the extinction of the dinosaurs. A glossary, taxonomic index of genera and author index are provided. -A.W.Hall

LANGUAGE	English (US)
TITLE OF HOST PUBLICATION	The evolution and extinction of the dinosaurs
PUBLISHER	Cambridge University Press
ISBN (PRINT)	0521444969
STATE	Published - 1996
EXTERNALLY PUBLISHED	Yes

Fingerprint



ASJC Scopus subject areas



Cite this

...

Fastovsky, D. E., & Weishampel, D. B. (1996). The evolution and extinction of the dinosaurs . In *The evolution and extinction of the dinosaurs* Cambridge University Press.

Access to Document

-  [Link to publication in Scopus](#)
-  [Link to citation list in Scopus](#)

Written for non-specialists, this detailed survey of dinosaur origins, diversity, and extinction is designed as a series of successive essays covering important and timely topics in dinosaur paleobiology, such as "warm-bloodedness," birds as living dinosaurs, the new, non-flying feathered dinosaurs, dinosaur functional morphology, and cladistic methods in systematics. David B. Weishampel is a professor at the Center for Functional Anatomy and Evolution at Johns Hopkins University, School of Medicine. Weishampel is best known for discovering, researching, and naming several rare European dinosaur species. Written for non-specialists, this detailed survey of dinosaur origins, diversity, and extinction is designed as a series of successive essays covering important and timely topics in dinosaur paleobiology, such as "warm-bloodedness," birds as living dinosaurs, the new, non-flying feathered dinosaurs, dinosaur functional morphology, and cladistic methods in systematics. Its explicitly phylogenetic approach to the group is that taken by dinosaur specialists. David B. Weishampel is a professor at the Center for Functional Anatomy and Evolution at Johns Hopkins University, School of Medicine. Weishampel is best known for discovering, researching, and naming several rare European dinosaur species. The dinosaurs probably became extinct after a giant asteroid hit the Earth about 65 million years ago. But what (happen) if this asteroid (miss) ? Scientists believe that in this case, dinosaurs (continue) to dominate the Earth, and that modern animals probably (not exist) . Instead of elephants and lions and so on, there (be) different types of dinosaurs, because the animals we have now simply (be able) to evolve. Some scientists have even suggested that dinosaurs (develop) along the same lines as human beings, but this is a minority view. The general view is that perhaps dinosaur brains (gro