The evolution and extinction of the dinosaurs

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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 Ornithopda. 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

Cite this

Dinosaur Extinction - How did dinosaurs become extinct? We look at when and why. Dinosaurs became extinct about 65 million years ago at the end of the cretaceous period (see what cretaceous dinosaurs were around at this time). About 70% of all animal life on earth died out. Scientists call it a mass extinction – it wasn’t the first mass extinction in earth’s history and it probably won’t be the last! Having existed for 165 million years, why did dinosaurs die out? There are many different theories about why this happened. We will probably never know exactly what happened, which means that scientists will continue to disagree and come up with different dinosaur extinction t EVOLUTION AND EXTINCTION RATE CONTROLS FLUX, FLUX, ALL IS FLUX UNES 0 Project: ECOSTRATIGRAPHY Developments in Pal In the Light of Evolution, Volume II: Biodiversity and Extinction. http://www.nap.edu/catalog/12501.html We ship printed books within 1 business day; personal PDFs are available immediate Mammals from the Age of Dinosaurs: Origins, Evolution, and Structure. MAMMALS FROM THE AGE OF DINOSAURS Eomaia scansoria (holotype specimen, part and counterpart: Chinese Academy of Mammals from the Age of Dinosaurs: Origins, Evolution, and Structure. The new dinosaurs: an alternative e...