

1. Record Nr.	UNINA9910366647103321
Titolo	Pilauco: A Late Pleistocene Archaeo-paleontological Site : Osorno, Northwestern Patagonia and Chile // edited by Mario Pino, Giselle A. Astorga
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-23918-7
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (x, 343 pages) : illustrations, maps
Collana	The Latin American Studies Book Series, , 2366-3421
Disciplina	560.178 983.5301
Soggetti	Paleontology Archaeology Sedimentology Paleontology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Pilauco and Los Notros Sites Research: a Narration of Human and Scientific Events -- Chapter 2. From Gondwana to the Great American Biotic Interchange: The birth of South American Fauna -- Chapter 3. Geology, stratigraphy, and chronology of the Pilauco site -- Chapter 4. The proboscidean gomphotheres (Mammalia, Gomphotheriidae) from southernmost South America -- Chapter 5. The camelids (Artiodactyla: Camelidae) and equids (Perissodactyla: Equidae) from the Pilauco site, northwestern Chilean Patagonia -- Chapter 6. Sporormiella fungal spores as a proxy for megaherbivore abundance and decline at Pilauco -- Chapter 7. Micromammals (Mammal: Rodentia) from Pilauco: identification and environmental considerations -- Chapter 8. Taphonomy of the Pilauco Site, Northwestern Chilean Patagonia -- Chapter 9. Vegetation-climate-megafauna interactions during the Lateglacial in Pilauco site, northwestern Patagonia -- Chapter 10. Diatoms: Microalgae from Pilauco -- Chapter 11. Phytolith analysis from coprolites of Pilauco -- Chapter 12. Fossil Coleoptera from the Pilauco site: an approach to late Pleistocene microenvironments -- Chapter 13. Coprolites as proxies for

paleoparasitology at Pilauco -- Chapter 14. The site Los Notros: geology and first taxonomic descriptions -- Chapter 15. Evidence from Pilauco suggests a catastrophic cosmic impact occurred near the site 12,800 years ago -- Chapter 16. The cultural materials from Pilauco and Los Notros sites -- Chapter 17. Planning and managing a palaeontological tourism destination: the case of Pilauco, Osorno, Chile -- Chapter 18. The Pilauco and los Notros sites: A final discussion.

Sommario/riassunto

This volume combines 10 years of accomplished research at the Pilauco site. The studies are focused on a variety of scientific areas including geological, sedimentological, geomorphological and paleobotanical topics, as well as paleontology of vertebrata and invertebrata, micropaleontology, archaeology, biochemistry, taxonomy, taphonomy, astrophysics and the development of some particular touristic aspects. In 18 chapters a variety of authors describe the excavation and investigation of this unique location. The book presents Pilauco as an example for the natural laboratory which can be found in South America, a testing ground for many of the hypotheses regarding migrations of animals and humans. In this context the study of topics, such as the paleozoography, the role of megafauna species for the architecture of the forests, the animal extinctions or the early human settlements, is extremely important on a global scale. The Pilauco site features paleontological and archaeological evidences and is contemporaneous with the Monte Verde site (~ 15,000 cal. yr AP). It is located 100 km north from Monte Verde and lies within the Intermediate Depression in northwestern Chilean Patagonia. It was discovered by chance in 1986 and has been excavated and investigated since 2007.
