

Accepted Manuscript

A plesiosaur (Reptilia, Sauropterygia) from the Cenomanian (Late Cretaceous) of Algora (Guadalajara Province, Central Spain)

N. Bardet, M. Segura, A. Pérez-García



PII: S0195-6671(17)30538-4

DOI: [10.1016/j.cretres.2018.05.006](https://doi.org/10.1016/j.cretres.2018.05.006)

Reference: YCRES 3880

To appear in: *Cretaceous Research*

Received Date: 12 December 2017

Revised Date: 22 April 2018

Accepted Date: 15 May 2018

Please cite this article as: Bardet, N., Segura, M., Pérez-García, A., A plesiosaur (Reptilia, Sauropterygia) from the Cenomanian (Late Cretaceous) of Algora (Guadalajara Province, Central Spain), *Cretaceous Research* (2018), doi: 10.1016/j.cretres.2018.05.006.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

A plesiosaur (Reptilia, Sauropterygia) from the Cenomanian (Late Cretaceous) of Algora (Guadalajara Province, Central Spain)

N. Bardet¹, M. Segura², A. Pérez-García³

¹ CR2P, UMR 7207 CNRS-MNHN-UPMC, Département Origines et Evolution, Muséum National d'Histoire naturelle, CP 38, 57 rue Cuvier, 75005 PARIS. nathalie.bardet@mnhn.fr

² Grupo de Investigación IberCreta, Departamento de Geología, Geografía y Medio Ambiente, Facultad de Ciencias, Universidad de Alcalá, 28871 Alcalá de Henares, Madrid, Spain. manuel.segura@uah.es

³ Grupo de Biología Evolutiva, Facultad de Ciencias, UNED, Paseo de la Senda del Rey 9, 28040 Madrid, Spain. paleontologo@gmail.com

ABSTRACT - A new Plesiosauria specimen from the Cenomanian (early Late Cretaceous) of Algora (Castilla-La-Mancha, Spain) is described here. It represents the first one found in this area and one of the few from the Cretaceous of Spain, being the only one preserving several bones. This is also one of the few plesiosaur specimen found in the Cretaceous of Europe. The specimen consists of a caudal vertebra and an almost complete pelvic girdle, whose character combination permits to refer it to an indeterminate Elasmosauridae. This is the first evidence of plesiosaur in the coastal marine outcrops of Algora, which has already yielded terrestrial, freshwater and coastal reptile taxa. This plesiosaur specimen can therefore represents either a carcass of a pelagic animal thrown on the coast by waves and currents (thanatocoenosis), or remains of an animal living in the area (biocoenosis).

Key-words – Plesiosauria, Elasmosauridae, Cretaceous, Algora outcrop, Castilla-La-Mancha, Spain

Download English Version:

<https://daneshyari.com/en/article/8916174>

Download Persian Version:

<https://daneshyari.com/article/8916174>

[Daneshyari.com](https://daneshyari.com)