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Cretaceous (Campanian) of the
Moyenne

Moulouya, Northeast Morocco

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ABSTRACT

The presence of the genera *Costacopluma* and *Ophthalmoplax* in Upper Cretaceous (Campanian) Moroccan sediments is documented based on specimens collected from the Moyenne Moulouya (Morocco). Two new species are described, *Ophthalmoplax minimus* and *Costacopluma maroccana*. The first record for *Ophthalmoplax* in the west Tethyan realm is reported, and systematic affinities of this genus and its species are discussed. An absolute age of late Campanian for this assemblage was obtained from ⁸⁷Sr/⁸⁶Sr analysis, applied to well preserved cuticle calcitic remains of *Ophthalmoplax minimus*. *Costacopluma maroccana* represents the 14th species for this genus and the fourth Cretaceous species. Its morphology reinforces hypothesis of two main phyletic groups for this genus.

Keywords: Crustacea, Decapoda, *Ophthalmoplax*, *Costacopluma*, Campanian, Morocco.

RESUMEN

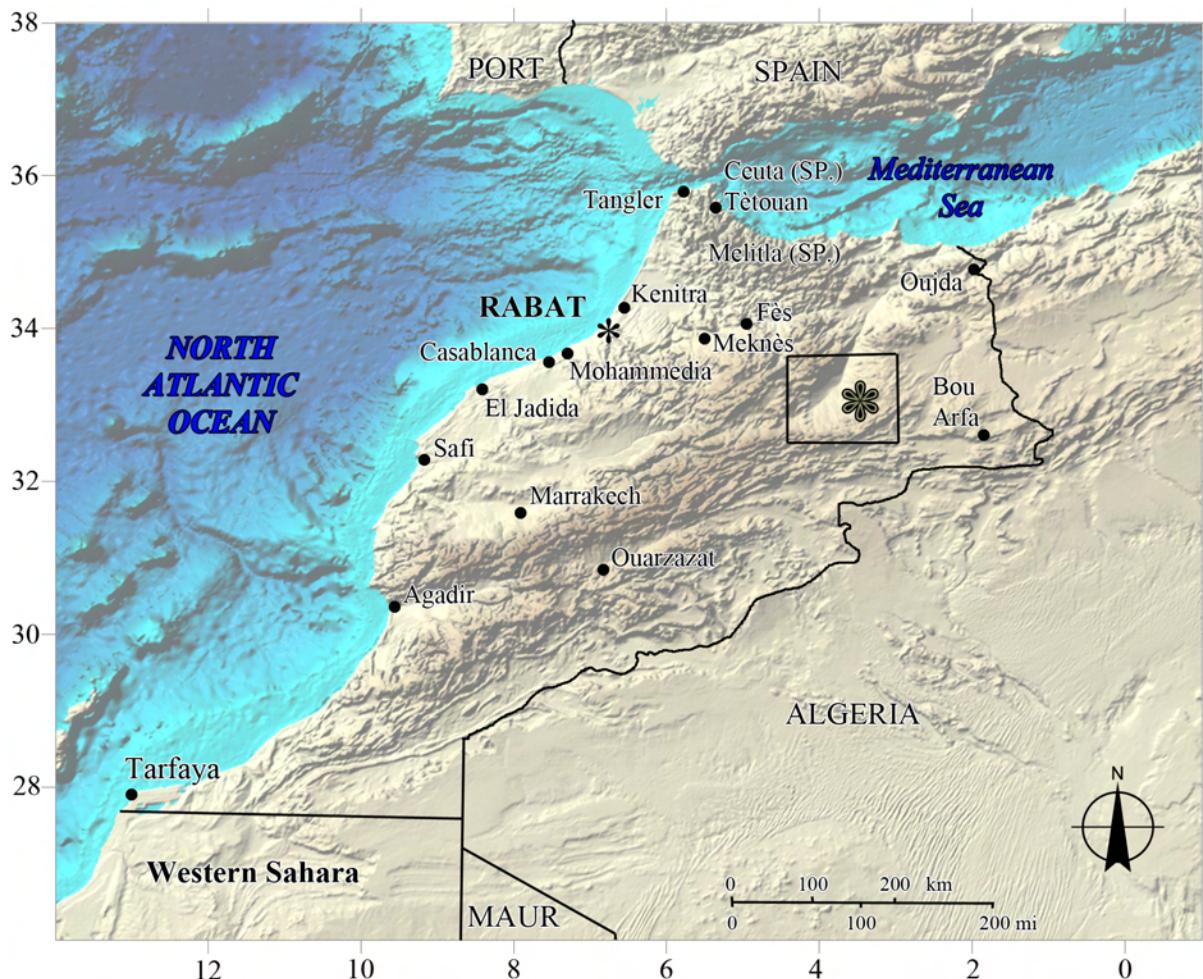
Se documenta la presencia de los géneros *Ophthalmoplax* y *Costacopluma* en sedimentos del Cretácico Superior (Campaniano), con base en especímenes colectados en la Moyenne Moulouya (Marruecos). Se describen dos especies nuevas, *Ophthalmoplax minimus* y *Costacopluma maroccana*. El primer registro de *Ophthalmoplax* en la porción occidental del dominio del Tethys es reportado, y las afinidades sistemáticas de este género y sus especies son discutidas. Una edad absoluta correspondiente al Campaniano tardío para esta asociación, es

Costacopluma maroccana n.sp.



Ophthalmoplax minimus n.sp.



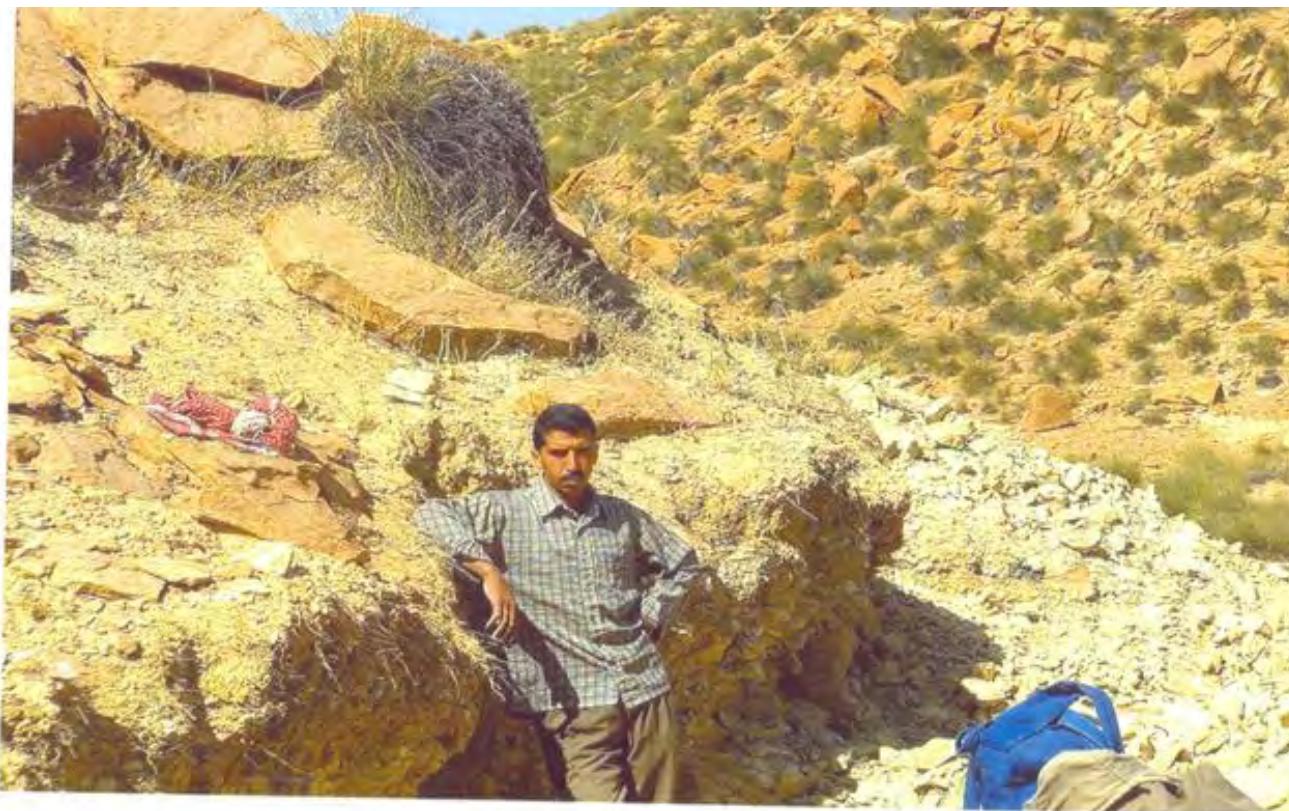




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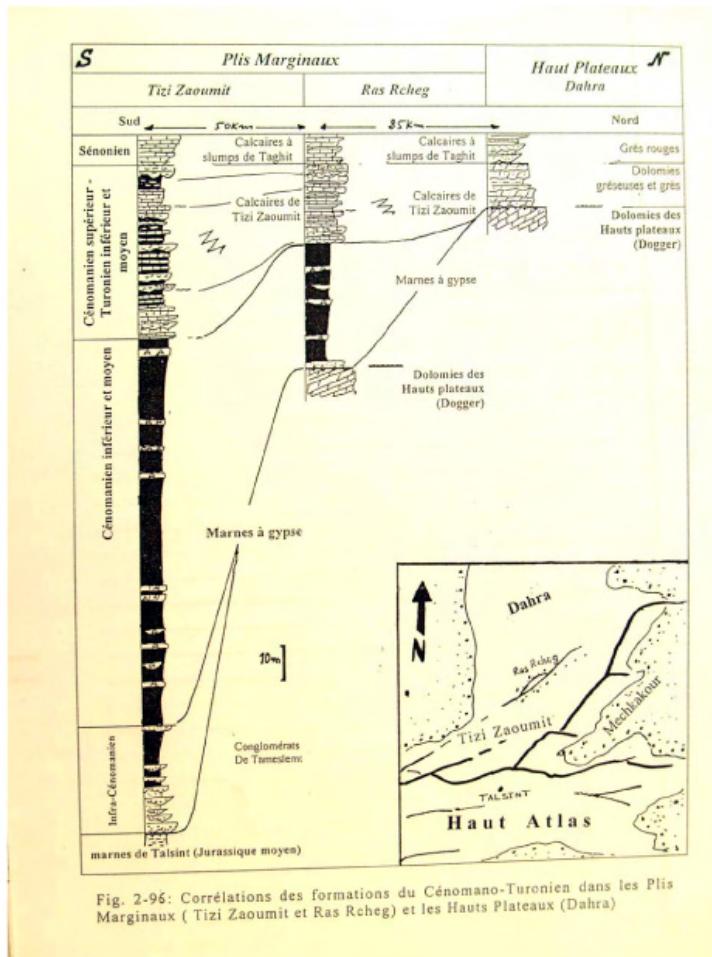


Fig. 2-96: Corrélations des formations du Cénomano-Turonien dans les Plis Marginaux (Tizi Zaoumit et Ras Recheg) et les Hauts Plateaux (Dahra)

