

**PALAEOZOOGEOGRAPHY OF SOME EARLY
CRETACEOUS OSTRACODS AND THEIR
BIOSTRATIGRAPHICAL APPROACH¹**

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It was identified 15 non-marine ostracods species in core samples from Alagamar Formation (Aptian), Potiguar basin, NE Brazil. Ten out of these 15 species were recognised as having a greater palaeogeographic distribution and all their occurrences, are herein listed: *Harbinia sinuata* (Krömmelbein & Weber, 1971); *H. sp.1.*; *H. sp.2.*; *H. sp.3.*; *Paracypria sp.1.*; *Cypridea araripensis* Silva, 1978b; *Cypridea sp.1.*; *Ilyocyprimorpha berthoui* (Colin & Depeche, 1997); *Ilyocypris?* *sp.1.*; *Brasacypris sp.1.*; *Candona?* *sp.1.*, *Theriosynoecum quadrinodosa* (Silva, 1978a); *T. silvai* (Silva, 1978a); *T. sp.1* and *Darwinula martinsi* Silva, 1978c. *Harbinia sinuata* (Araripe and Alagoas basins), *H. sp.1* (Araripe basin), *H. sp.2* (Araripe, Alagoas and Espírito Santo basins), *H. sp.3* (Gabão basin), *Candona?* *sp.1* (Araripe and Alagoas basins), *I. berthoui* (Araripe, Doba, Doseo and Bongor basins), *C. araripensis* (Araripe basin), *T. quadrinodosa* (Araripe, Doba, Doseo and Bongor), *T. silvai* (Araripe, Doba, Doseo and Bongor) and *D. martinsi* (Araripe basin). Just three out of this ten species, *H. sinuata*, *H. sp.2* and *Candona?* *sp.1*, have their occurrences registered in type-section of the Alagoas Stage, and are considered guide-species of the Biozone *Cytheridea?* spp. gr. 201/218. Other seven species have not been registered in the type-section of Alagoas Stage, but they have occurrences restricted to Aptian Stage and, considering their widespread, they might be also used for biostratigraphic correlation.

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