

## Benthic foraminifers and ostracods from the early Cretaceous Rosablanca Formation (Middle Magdalena Basin, Colombia)

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In the Lower Cretaceous Rosablanca Formation (Middle Magdalena Basin, Colombia), a micropaleontological survey was conducted in two wells that drilled strata of the formation in order to understand its biostratigraphic framework and its depositional environments. Despite the moderate recovery of microfossils, results suggested that in the upper part of the Rosablanca Formation, the benthic foraminiferal genera *Lenticulina* and *Choffatella* are present along with fragments of rotalids and textulariids. In contrast, for the lower part of this formation, the presence of several ostracod genera of the families Cytheridae, Cytherideinae, Ilyocyprididae and Trachyleberididae is recorded. This study constitutes the first detailed report of these Lower Cretaceous ostracods in Colombia.

The benthic foraminiferal assemblages suggest a Valanginian to Barremian age for the Rosablanca Formation, in concordance with previous studies based on macrofossil assemblages. Furthermore, the ostracod fauna suggests a transitional (mixohyaline) to normal marine environment, mainly based on the ecologic preferences of the genera *Fabanella*, *Schuleridea* and *Perissocytheridea*.