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Cretaceous-Paleogene Ostracods from the Paraíba Basin, Northeastern Brazil

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## Abstract

This work presents a detailed taxonomic study on the marine ostracods from the Paraíba Basin, northeastern Brazil, in wells from the wells Itamaracá-1IT-03-PE and Poty-1PO-01-PE, which record the Maastrichtian–Danian boundary. Besides the taxonomic data, this paper contributes to the paleoenvironmental knowledge of Cretaceous–Paleogene ostracods from the Paraíba Basin. The analysis of 98 samples of the well Itamaracá-1IT-03-PE and 59 samples of the Poty-1PO-01-PE, resulted in the record of 34 ostracode species, all representative of a marine environment with normal salinity. Seven new species are proposed: *Cytherella centrocompressa* sp. nov.; *Cytherella paraibensis* sp. nov.; *Neonesidea potyensis* sp. nov.; *Bythoceratina spinosa* sp. nov.; *Eucytherura ventrotuberculata* sp. nov.; *Langiella fauthi* sp. nov. and *Protobuntonia punctatum* sp. nov.

**Keywords:** Ostracods, Brazilian margin, South America, zoogeography, paleoecology,

## 1. Introduction

The Cretaceous–Paleogene deposits of the Brazilian marginal basins include rich and diverse ostracod assemblages from continental, marine and mixohaline paleoenvironments.

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