

Ceratosaurus (Dinosauria: Theropoda) in the Late Jurassic of Portugal

O. MATEUS^{1,2,3} and M. Telles ANTUNES^{1,2,4,*}. ¹Centro de Estudos Geológicos, Faculdade de Ciências e Tecnologia/ UNL, 2825-114 Caparica, Portugal. ²GEAL- Museu da Lourinhã. 2530 Lourinhã, Portugal. ³Bolseiro (BTI) da Fundação para a Ciência e Tecnologia, omateus@n2dinosaurs.com
⁴Academia das Ciências de Lisboa. * Scientific Coordinator, ip241333@ip.pt

A right femur and a left tibia from a theropod were collected near the coast at Rodela do Valmitão (Lourinhã, Portugal) in the (Kimmeridgian) "Praia de Amoreira-Porto Novo" unit, "Camadas de Alcobaça" Formation. The two bones apparently belong to a single individual.

The 64,7 cm long femur is very similar but slightly longer than that of *Ceratosaurus nasicornis*. As far as the 58,3 cm tibia is concerned, the relative position of its epiphysial expansions is different from *C. nasicornis* (the distal expansion being in a more "turned" position relatively to the diaphysial axis); it is more closely similar to *C. dentisulcatus*.

The femur and tibia ML352 are from a Ceratosauria due to the: a.. presence of a trochanteric shelf; b.. not blade-shaped anterior trochanter; c.. anteromedially projected femoral head; d.. presence of a deep sulcus along the lateral side of the crista tibiofibularis; e.. lack of the lateral longitudinal groove at the distal end of the tibia; f.. anteromedially projected femoral head.

These bones belong to a ceratosaurian. They do not fit in any known genus besides *Ceratosaurus*. This ceratosaur is closely related to *Ceratosaurus nasicornis* and *C. dentisulcatus*. It should provisionally be reported to a basal Ceratosaur: an undeterminate species of *Ceratosaurus*. The ascription of this specimen to *Ceratosaurus* sp. is coherent with the biochronology of Ceratosauria, in particular that of the genus *Ceratosaurus*.

The genus *Ceratosaurus* is well known from the Morrison Formation but it is reported for the first time in Europe.