

# Accepted Manuscript

*Distefanella* Parona, 1901 a radiolitid rudist from Late Cretaceous platform margin in central-eastern Mediterranean Tethys

Riccardo Cestari, Jose Maria Pons, Enric Vicens, Piero Di Michele



PII: S0195-6671(17)30537-2

DOI: [10.1016/j.cretres.2018.04.025](https://doi.org/10.1016/j.cretres.2018.04.025)

Reference: YCRES 3874

To appear in: *Cretaceous Research*

Received Date: 15 December 2017

Revised Date: 5 April 2018

Accepted Date: 29 April 2018

Please cite this article as: Cestari, R., Pons, J.M., Vicens, E., Di Michele, P., *Distefanella* Parona, 1901 a radiolitid rudist from Late Cretaceous platform margin in central-eastern Mediterranean Tethys, *Cretaceous Research* (2018), doi: 10.1016/j.cretres.2018.04.025.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

***Distefanella* Parona, 1901 a radiolitid rudist from Late Cretaceous platform margin  
in central-eastern Mediterranean Tethys**

Riccardo Cestari<sup>1</sup>, Jose Maria Pons<sup>2\*</sup>, Enric Vicens<sup>2</sup>, Piero Di Michele<sup>3</sup>

<sup>1</sup> Strata Georesearch, INGEO Dept., University of Chieti, Via dei Vestini 31, 66013

Chieti, Italy. <sup>2</sup> Departament de Geologia, Universitat Autònoma de Barcelona, 08193

Bellaterra, Spain. <sup>3</sup> Via Val di Foro 71B, 66023 Francavilla al Mare (CH), Italy.

Email addresses: riccardo.cestari@stratageoresearch.com (R. Cestari);

josepmaria.pons@uab.cat (J.M. Pons); enric.vicens@uab.cat (E. Vicens);

pirodimichele@hotmail.it (P. Di Michele)

# ABSTRACT

Parona (1901) proposed the genus *Distefanella* for some long, slender and thin-shelled radiolitids from San Polo Matese, southern Apennines, Italy, describing three more species: *D. bassanii*, *D. guiscardii* and *D. douvillei*, besides the type species erroneously attributed to *D. lumbricalis* (d'Orbigny). Parona (1912a) corrected himself proposing *D. salmojrighii*, after a detailed description of *Biradiolites lombricalis* (d'Orbigny) was given in Toucas (1909). Nevertheless, the original mistake, together with some misinterpretation of the radial bands and inner shell structures, caused considerable taxonomic confusion, leading to the misfortune of the genus. The study of Parona's types, together with other specimens kept in museums and new material, allowed us to recognise, describe, and illustrate the diagnostic characters of the radiolitid genus *Distefanella*. The revision of all the species attributed to the genus lead to recognizing numerous junior synonyms of the Turonian-Coniacian *D. salmojrighii* Parona and *D. montagnei* Slišković, and also of the Campanian *D. radoicicae* Pejović, the three species accepted herein. The genus is almost exclusively found in shelf margin context with high sediment accumulation rate of the central and eastern Mediterranean Tethys.

Download English Version:

<https://daneshyari.com/en/article/8916200>

Download Persian Version:

<https://daneshyari.com/article/8916200>

[Daneshyari.com](https://daneshyari.com)