

عنوان مقاله:

(Paleobiodiversity in the Darriwilian (Middle Ordovician) of the Naturtejo UNESCO Global Geopark (Portugal

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نویسندگان:

Sofia Pereira - *Centro de Geociências, Universidade de Coimbra, Rua Sílvio Lima, ۳۰۳۰-۷۹۰ Coimbra, Portugal*

Jorge Colmenar - *Centro de Geociências, Universidade de Coimbra, Rua Sílvio Lima, ۳۰۳۰-۷۹۰ Coimbra, Portugal*

Cristiana Esteves - *Department of Geology, Ghent University, Krijgslaan ۲۸۱, SA. ۹۰۰۰ Ghent, Belgium*

Ícaro Dias da Silva - *Instituto Dom Luiz, Departamento de Geologia, Faculdade de Ciências da Universidade de Lisboa, Campo Grande, 1۷۴۹-۰۱۶ Lisboa, Portugal*

Miguel Pires - *Centro de Geociências, Universidade de Coimbra, Rua Sílvio Lima, ۳۰۳۰-۷۹۰ Coimbra, Portugal*

Carlos Neto de Carvalho - *Instituto Dom Luiz, Departamento de Geologia, Faculdade de Ciências da Universidade de Lisboa, Campo Grande, 1۷۴۹-۰۱۶ Lisboa, Portugal*

خلاصه مقاله:

Middle Ordovician successions occur at Naturtejo UNESCO Global Geopark in five Variscan-folded, kilometer- to tens of kilometer-long structures. Four of them revealed to be fossiliferous in the different recognized lithostratigraphic units, middle-to-uppermost Darriwilian in age, with particular emphasis for Brejo Fundeiro (Oretanian regional chronostratigraphic stage) and Fonte da Horta (Dobrotivian regional stage) formations. Recent paleontological and biostratigraphic works have detected most of the previously recorded and new fossil sites, improving the Middle Ordovician biostratigraphy of this region and updating the knowledge of its fossil assemblages, which are fairly more diverse than previously considered. The good preservation of the fossils and their relevance to understanding the climax of the Global Ordovician Diversification Event at high paleolatitude shallow marine environments, as well as the protection or identification of some of the fossil sites as UNESCO Geopark' geosites, make certain their interpretation and use in already existing geotrails and new interpretation centers and school programs.

کلمات کلیدی:

Naturtejo Geopark, Brejo Fundeiro Formation, Fonte da Horta Formation, Oretanian, Dobrotivian, Central Portugal

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