

Dear Editors

We have the pleasure of sending you the research article entitled “Chemostratigraphy applied to sequential arrangements: marine Triassic (upper Ladinian), westernmost Tethys, Spain.” by Yolanda Sánchez-Moya, María Josefa Herrero-Fernández, and Alfonso Sopeña, for consideration to be published in Journal of Iberian Geology.

The paper is focused in the study of Triassic marine carbonates from southeast Spain, where we have measured and constructed the first representative Sr-isotopic curve for a time-interval of upper Ladinian age. This sequence represents the westernmost Strontium values of the Tethys sea and it provides valuable data that allows to complement the few and sparse available data of the Muschelkalk sea. The geochemical analyses that have been performed show good results and conclusions when comparing them to the facies analyses and the environmental characterization. Moreover, the sequence stratigraphic framework and its key surfaces are clearly reflected in the evolution of the bulk-carbonate contents of the combining manganese, strontium and Mg/Ca ratios.

The analysed samples were taken in the outcrops by the authors and the geochemical and the isotopic analyses have been performed at different labs of the Universidad Complutense de Madrid. Strontium data results have been discussed with Prof. John M. McArthur (Earth Sciences University College London).

This work is original and unpublished.

Thanks for your attention and kind regards

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