



UNIVERSIDAD DE JAÉN
Departamento de Geología

Dear Editors,

We would like to publish the manuscript **“Upper-Pleistocene terrace deposits in Mediterranean climate: geomorphological and source-rock control on mineral and geochemical signatures (Betic Cordillera, SE Spain)”** by R. Jiménez-Espinosa, J. Jiménez-Millán and F. García-Tortosa, in this journal as we consider that the scope and topics could be suitable for our study.

We have carried out a study on the Upper Pleistocene alluvial terrace deposits of the Quaternary alluvial sediments of the Alto Guadalquivir Basin (SE Spain) because it provides an excellent example of how geomorphological evolution can exert an important control on mineral and geochemical signatures of sediments in a tectonically active area. The location of the study area among three different main geological units of the Iberian Peninsula (Hercynian Iberian Massif, Tertiary Guadalquivir Basin and External Zone of the Alpine Betic Cordillera) allows to carry out a specific case study to reveal the role of the chemical and physical processes that affect Quaternary alluvial sediment composition (source-rock lithology changes, relief, drainage system, climate, tectonic environment, etc.).

I hope our manuscript could be considered for revision. In that case, we provide the names and contact details of 5 possible referees.

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Sincerely,

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