

Juan Miguel Insua Arévalo
Universidad Complutense de Madrid
c/ José Antonio Novais, 2
Madrid, 28040 Madrid
Spain

Dr. José López Gómez and Dr. Javier Martín Chivelet
Editors-in-Chief
Journal of Iberian Geology

September 7th, 2015

Dear Dr. José López Gómez and Dr. Javier Martín Chivelet,

I am pleased to submit an original research article entitled “Paleoseismological evidence of Holocene activity on Los Tollos Fault (Murcia, SE Spain): A lately formed Quaternary tectonic feature of the Eastern Betic Shear Zone” for consideration for publication in the *Journal of Iberian Geology*.

The manuscript shows the results obtained during the last years of a research project funded by the Spanish Ministry of Science and Innovation which has involved researchers from several Spanish institutions (mainly *Universidad Complutense de Madrid* and *Instituto Geológico y Minero de España*).

In this manuscript, we introduce Los Tollos Fault (LTF), interpreting it as lately formed relevant feature within the Eastern Betic Shear Zone, attending to geomorphological and paleoseismological researches. We have identified at least two earthquakes during the Holocene, last one occurred between 2740 and 2140 yr BP (8th to 2nd centuries BC). We also estimate seismogenic parameters of LTF: slip rate, recurrence interval, magnitude.

We believe that this manuscript is appropriate for publication in the *Journal of Iberian Geology* regarding to the journal’s aims and scope. Our manuscript provides essential parameters for future

seismic hazard assessment in the region of Murcia, as well as for the understanding of the geodynamic evolution of the southeast of Spain.

We hope you will find the manuscript suitable for publication in *Journal of Iberian Geology*.

Yours faithfully,

The Authors

Contact address

Corresponding author: Juan M. Insua-Arévalo

Department of Geodynamics, Universidad Complutense de Madrid,

c/José Antonio Novais, 2, Madrid 28040, Madrid, Spain

e-mail: insuarev@ucm.es

Telephone: +34 91 394 4721

Fax: +34 91 394 4631

Potential Reviewers

Dr. Iván Martín Rojas	Univesidad de Alicante	Ivan.Martin@ua.es
Dr. Paula Marques Figueiredo	Universidade de Lisboa (Portugal)	pmfigueiredo@fc.ul.pt
Dr. Hector Perea	Institut de Ciencies del Mar, Barcelona	hperea@cmima.csic.es
Dr. Joao Cabral	Universidade de Lisboa (Portugal)	jcabral@fc.ul.pt
Dr. María Ortuño	Universidad de Barcelona, Spain	maria.ortuno@ub.edu