

Interactive comment on “Thermal shock and splash effects on burned gypseous soils from the Ebro Basin” by J. León et al.

Anonymous Referee #1

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The paper here presented is clear in its objectives, the methodology and the results.

There are many papers about the changes on soil properties after fires, but maybe not on this kind of soils (gypsum).

In my opinion it is a good contribution to know the changes in soil properties after forest fires.

We have to say that it is an experimental work, a lab simulation, but we know that it is a good way to control the variables, heat and time, and it is useful. In forest fires we have more ashes, sometimes mixed with the soil, that makes that the changes are more provoked by the ashes, addition than for the heat. Everything is interesting to know, in lab, we do not have so many incorporation of ashes, because we do not have

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the vegetation on the soil, so in the lab we can know more specifically the importance of temperature, of the heat.

Complementary works, on real forest fires, and laboratory simulation are interesting.

Interactive comment on Solid Earth Discuss., 5, 1817, 2013.