

## ***Interactive comment on* “Estimation of surface depression storage capacity from surface roughness” by Mohamed A. M. Abd Elbasit et al.**

### **Anonymous Referee #2**

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The topic treated in this work is potentially interesting, however at my eyes too site specific to be accepted in an international journal such as HESS. Also, probably a journal closed to "Soil" should be more appropriated.

In addition, there are some major problems that can mine the entire work at its basis:

- (1) the literature review seems too poor, I suggest to enlarge it looking at the recent advances in this field;
- (2) a comparison with other methods available in the literature for the calculation of the surface roughness seems missed;
- (3) the case study is very site-specific; it is very difficult to feel about the reproducibility of the method presented in a different context, and also its suitability to be adopted for

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the analysis of the surface roughness in the field, where the local micro-morphology is more complex.

Unfortunately, because of the above issues, I suggest a rejection.

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-74>, 2019.

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