Hydrol. Earth Syst. Sci. Discuss., https://doi.org/10.5194/hess-2019-74-RC2, 2019 © Author(s) 2019. This work is distributed under the Creative Commons Attribution 4.0 License.



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Interactive comment

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

Anonymous Referee #2

Received and published: 13 May 2019

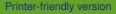
The topic treated in this work is potentially interesting, however at my eyes too site specific to be accepted in an international journal such as HESS. Also, probably a journal closed to "Soil" should be more appropriated.

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



Discussion paper



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.

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

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