

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

Anonymous Referee #1

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The manuscript designed a laboratory experiment to estimate surface depression storage. However, soil surface was replaced by cement, gypsum and gravels. This treatment is quite different from the actual surface. On the agricultural land, surface depression is mainly depended on tillage-induced microrelief, but random roughness has less effect. Therefore, for me, this model is not practical significance.

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