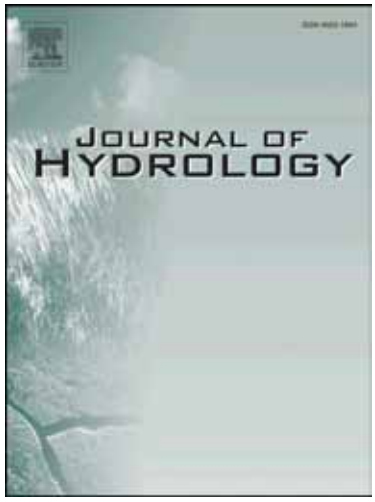

Research papers

Preferential Flow in the Vadose Zone and Interface Dynamics: Impact of Microbial Exudates

Biting Li, Ashley R. Pales, Heather M. Clifford, Shyla Kupis, Sarah Hennessy, Wei-Zhen Liang, Stephen Moysey, Brian Powell, Kevin T. Finneran, Christophe J.G. Darnault

PII: S0022-1694(17)30893-4
DOI: https://doi.org/10.1016/j.jhydrol.2017.12.065
Reference: HYDROL 22476

To appear in: *Journal of Hydrology*

Received Date: 4 August 2017
Revised Date: 22 December 2017
Accepted Date: 26 December 2017

Please cite this article as: Li, B., Pales, A.R., Clifford, H.M., Kupis, S., Hennessy, S., Liang, W-Z., Moysey, S., Powell, B., Finneran, K.T., Darnault, C.J.G., Preferential Flow in the Vadose Zone and Interface Dynamics: Impact of Microbial Exudates, *Journal of Hydrology* (2017), doi: https://doi.org/10.1016/j.jhydrol.2017.12.065

Preferential Flow in the Vadose Zone and Interface Dynamics: Impact of Microbial Exudates

Biting Li[1], Ashley R. Pales[1], Heather M. Clifford[1,2], Shyla Kupis[1], Sarah Hennessy[1], Wei-Zhen Liang[1], Stephen Moysey[1], Brian Powell[1], Kevin T. Finneran[1] and Christophe J. G. Darnault[1*]

[1]Department of Environmental Engineering and Earth Sciences, Laboratory of Hydrogeoscience and Biological Engineering, L.G. Rich Environmental Laboratory, Clemson University, 342 Computer Court, Anderson, SC 29625, USA.

[2]Climate Change Institute, University of Maine, Edward Bryand Global Sciences Center, Orono, ME, 04473, USA.

[*]Corresponding author: Tel: +1 864 656 1398; fax + 1 864 656 0672. E-mail address: cdarnau@clemson.edu