Accepted Manuscript

The effect of gravitational settling on concentration profiles and dispersion within and above fractured media

Tomer Duman, Ran Holtzman, Uri Shavit

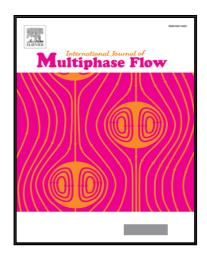
PII: \$0301-9322(17)30753-X

DOI: 10.1016/j.ijmultiphaseflow.2018.05.003

Reference: IJMF 2802

To appear in: International Journal of Multiphase Flow

Received date: 2 October 2017
Revised date: 8 March 2018
Accepted date: 2 May 2018



Please cite this article as: Tomer Duman, Ran Holtzman, Uri Shavit, The effect of gravitational settling on concentration profiles and dispersion within and above fractured media, *International Journal of Multiphase Flow* (2018), doi: 10.1016/j.ijmultiphaseflow.2018.05.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- Particle dispersion in flow above and within vertical fractures is modelled
- The combined effects of gravitational settling and horizontal advection was studied
- Gravity-induced dispersion is dominant near the source, where it cannot be ignored
- Highest dispersion flux location is linearly proportional to groove spacing and depth



Download English Version:

https://daneshyari.com/en/article/7060055

Download Persian Version:

https://daneshyari.com/article/7060055

<u>Daneshyari.com</u>