

Interactive comment on “Bio-purification of drinking water by froth flotation” by Ghanim Hassan and Robert Edyvean

Anonymous Referee #1

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The authors studied the removal of bacteria from water using the principle of froth flotation through compressed air only without any chemicals. This study shows that some 55% of bacterial cfu/ml can be reduced by froth flotation without chemicals. The manuscript is well organized.

Specific comments are below:

Page 2, line 75: the table 1 is not necessary to show the details of the iPad.

Abstract: These sentences should be in introduction part other than in abstract: “The main technique for removing bacteria from water for various applications is chemical disinfection. However, this method has many disadvantages such as producing disinfectant by-products (DBPs), biofilm formation and either rendering the water unpotable

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(at high residual disinfection) or leaving a potential for lethal diseases such as Cholera (if the residual disinfection is too low). ” Or, is should be in a shorten way. And, I suggest to use only one paragraph in the abstract.

Page 5, figure 3: The green color words on the top of the figure are not clear, redraw it: “Percentage of inlet water removed by froth”

Page 7, line 184 Vertical coordinate is needed in the figure. And the figure is not very clear, redraw the figure, and the color used in the figure is ambiguous.

Interactive comment on Drink. Water Eng. Sci. Discuss., <https://doi.org/10.5194/dwes-2018-28>, 2019.

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