

# ***Interactive comment on “Application of advanced composite modified perlite for degradation of particle size and turbidity in treatment of sewage water” by Ali Reza Taheri Fard***

## **Anonymous Referee #1**

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Application of advanced composite modified perlite for degradation of particle and turbidity in treatment of sewage water

It is a study where sewage water have been filtered through perlite whereby the turbidity is reduced. The method is already well-known and used e.g. for cleaning water in swimming pools. No explanation of the experimental setup is presented, so I cannot redo the experiment, e.g. no data on the amount of perlite used, the filtration column, filtration time. Is the filter backwashed and how often is the material removed and new material used.

There are many linguistic errors. Titel: Application of ... perlite ... used for degradation

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of particle size ..." No particle size is not degraded, some particles are removed.

Line 29-30 page1: "To meet the need of people and to provide access to clean water and, in the twentieth century is difficult and complicated. Global growth in the public water supply, improve water quality, climate change and are growing rapidly" do not make any sense. The paper is difficult to read.

Many unnecessary information is presented e.g. details on the different type of materials e.g. page 4 line 107-108: For the first time liquid glass in 1818 was received by the german chemist Jan Nepomuk von Fuchs. Just write where the material come from and the chemical position and physico-chemical properties of the materials.

Split Experiments and results section in two (1. Experiments and 2. Results.)

Fig 2 - 4 - Change so wave length is on the X-axis and Absorbance or OD on the Y-axis

Fig 5 and 6: What is on the two axes?

In my opinion the paper is not good enough for publication.

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