



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_23000
Title of the Manuscript:	An experimental study of the influence of open channel hydraulic parameters and soil gradation on jet pump sand removal's efficiency
Type of the Article	Original research papers

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	- The English grammar of the paper requires revision. The paper is not ready for publication at this stage and provides confusion for the reader in several places. I suggest getting help from an English speaker to review your paper. - Tables need to be provided that shows the range of all variables selected for the experiments and the reason they are selected. Also the parameters of the equations used for analysis (Like efficiency of jet, Vs, QT, Vt, D50,...) should be explained and referenced. - Analysis and discussion section is weak. The reason of the trends observed during experiments (and shown in the figures) should be explained. Also a possible future work should be added to the discussion section.	- Ok it was done - Ok it was done LINE 111 ,, equation parameter added below the equations 208-210 also 124- 127 - In our research we interested in the effect of open channel hydraulic parameters on jet pump efficiency, so we used the same prototype of jet pump in all runs. The observed trend may be due to that for each inner dimensions of jet pump there is optimum water depth and shear velocity that gives maximum efficiency(Ok added 222-229) . The possible future work is to relate the hydraulic parameters of open channel to the properties of jet pump. (Ok added 242-244)
<u>Minor</u> REVISION comments	- The format of the paper (including the format of the references in the document and at the end of paper, Number of equations and figure's captions) need to be checked and corrected. - It looks like the equations are not typed in the document. Please correct it if that's the case. - Required referencing is not provided in some parts of the paper. For example, second paragraph of page 3, figures 2 and 3 and equations.	- Ok it was done - Ok it was done 118 and 196 - Ok it was done below all figures and equations , but the second paragraph of page 3 (A sand basin of 1.00 m length.....) this basin we constructed it to collect water / sand mixture.
<u>Optional/General</u> comments	In some parts, numbers in the figures are not completely clear and needs correction.	Ok it was done