



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	Please elaborate why water depth and discharge have no direct effect and soil gradation has inverse relation with efficiency. In comparison with previous experimental studies or numerical studies, please explain your finding is either new or matching/ conflicting with them.	The experimental result shows that the efficiency decreased with increasing discharges to a certain point then start to increase again. The corresponding shear velocity is the effecting parameter on jet pump efficiency. Also efficiency increased with increasing depth to a certain point the start to decrease. This may be related to jet pump dimensions. Ok added line 222-229 I think that no one study the effect of open channel hydraulic parameters on jet pump efficiency Ok added line 222-229
<u>Minor</u> REVISION comments	How and why did you set up five discharges and three water depths? [why not discharge less than 30 or more than 50 similarly water depth why not less than 25 and more than 35]	This is related to the specification of the used hydraulic lap. Also the ratio between used depths and flume bed width simulate more than 60% of Egyptian open channels in Egypt
<u>Optional/General</u> comments	Some typo errors and lack of consistency. Please follow the highlighted part in attached MS	Ok was done and the question What could be the reason behind this? Have you done the experiment repeatedly for consistency check? How can you be sure with 1 set of experiment. Added in between line 222-229