



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_31425
Title of the Manuscript:	Treatment wastewater municipal by subsurface flow wetland modified to rural communities in Mexico
Type of the Article	Research

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)
Compulsory REVISION comments	The title seems to be wrong: It should be "Treatment of municipal wastewater by subsurface flow wetlands modified to rural communities in Mexico". Grammatical errors in abstract...Please recheck the language for Abstract section. The language again needs to be checked from line 68-87. I am surprised to see good English in few paragraphs in Introduction section followed by very poor English in Abstract and line 68-87. Further the sentences in line 70-75 needs to be bifurcated into two or three sentences. Overall I recommend full language check. Descriptions for figures are very poor. Justification of results needs to be improvised. Conclusion needs to be strengthened with the objective. The Objective has to be clearly stated in the introduction along with sub objective of the paper. Understanding the concept is difficult due to language. If the language is improvised a major task will be solved and then paper needs to be submitted and reviewed again.	1. The manuscript was discussed on the efficiency of wetland that was operated with various conditions. The author should discuss more on the benefit and new evidence in the wetland process moreover the update reference should be added. Answer: We agree to change the title of paper, the new title will be: "Treatment of municipal wastewater by subsurface flow wetlands modified to rural communities in Mexico" 2. Grammatical errors in abstract...Please recheck the language for Abstract section. The language again needs to check from line 68-87. I am surprised to see good English in few paragraphs in Introduction section followed by very poor English in Abstract and line 68-87. Answer: We were used "The Indian English", It is important to mention that previously United States English of had been used. 3. Further the sentences in line 70-75 needs to be bifurcated into two or three sentences. Answer: The sentence in paragraphs 70-75 was divided into two, it indicates in yellow the end of first and the beginning of the second paragraph. 4. Overall I recommend full language check. Answer: We have reviewed the entire article, which has already been commented in number 2. Corrections have been underlined in yellow



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		5. Descriptions for figures are very poor. Justification of results needs to be improvised. Answer: Description of all figures has been attended according to their observation; see yellow underlined. 6. Conclusion needs to be strengthened with the objective. The Objective has to be clearly stated in the introduction along with sub objective of the paper. Answer: Suggestion regarding the conclusions and also its relation with the objective of article was taken care of, it was emphasized with yellow colour 7. Understanding the concept is difficult due to language. If the language is improvised a major task will be solved and then paper needs to be submitted and reviewed again. Answer: We hope that by correcting and completing ideas, the article will be better understood We added some important comments The objective of this paper is mainly the hydrodynamic modelling of wetland, because channels are usually constructed in rectangular form. The authors have been modified this channels with curved shapes with slopes, as presented in this article, in order to improve the treatment efficiency of the system and avoid short circuits of hydraulic flows which in turn allows avoid dead zones in each channel. It is important to point out that this sub-surface wetland of horizontal flow, is important for a construction commitment acquired in rural communities located in the Upper Lerma River Basin in the state of Mexico, Mexico, where there are agricultural areas that lack water and require of recovery of its municipal waters for agricultural irrigation, since previously they used waters of the river Lerma that at the moment is very contaminated.
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		In addition with the experience of another wetland built in a rural community in the State of Michoacán, Mexico, in which there were problems of short circuits and therefore of dead zones that have caused presence of harmful fauna, reason why it was design in the wetland of this article, forms curves with slopes in each channel suitable to homogenize the water flow and the transport of pollutants. The wetland was redesigned, by comparison with the built in Michoacán state, and see references [14] and [15]. Paper [14], Rivas, H. A. "Determination of kinetic constants for design and optimization of a system combined, wetland-maturation lagoon, under a climatic condition in Mexico". Ph.D. Thesis from University Autonoma Metropolitana, Campus Azcapotzalco, 2013, Paper [15], Rivas, A., Barceló-Quintal I. and G. E. Moeller G.E. Pollutant removal in a multi-stage municipal wastewater treatment system comprised of constructed wetlands and a maturation pond, in a temperate climate. Water Science & Technology. 2011; 64 (4): 980-987).
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		