

Review Form 3

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_125090
Title of the Manuscript:	Agricultural valorization of treated effluent from Korhogo wastewater treatment plant
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	I liked this manuscript because it gives the relationship between the different minerals in treated wastewater and the nutrients assimilated by the cultivated plants on the one hand and on the other hand it shows the effect of these elements on the growth and yield of these plants.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is suitable but I suggest another title which is " the effect of treated effluent from Korhogo wastewater treatment plant on Okra and maize growth	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is clear	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript is scientifically robust because the analyses and these techniques used are in accordance with the requested goal. Moreover the physicochemical analyses of the wastewater with the techniques used on the one hand and the measurements of growth and yield of the cultivated plants lead us to evaluate the effect of these effluents on the growth of these plants. In addition, the different parts of this manuscript give us more information and data about this subject in order to properly assess the effect of these effluents on these plants growth	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Most of the references are not recent	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The English quality of this article is suitable for scholarly communications</p>	
<p>Optional/General comments</p>	<p>ABSTRACT</p> <ul style="list-style-type: none"> -Aims: is to evaluate the effluents of Korhogo’s wastewater treatment plant for irrigation and fertilization in agriculture. -Check the space between words and the capitalization of certain words -Add this abbreviation(SAR) directly after Sodium Adsorption Ratio <p>INTRODUCTION</p> <ul style="list-style-type: none"> - This sentence “Solid fraction is collected and then dried to remove most of the pathogens” was repeated. - two treatments not 2 treatment - change this word “the convenience” to a clearer one - It must to show the reason of the choice of these two vegetal species -Talk then about the harmful effects of long-term effluent irrigation, particularly the cumulative effect of heavy metals <p>MATERIAL AND METHODS</p> <p>Water and data analysis</p> <ul style="list-style-type: none"> - MES: write it with full term then use the abbreviation - etc..??? -Check the space between words <p>Determination of treated wastewater convenience for irrigation</p> <ul style="list-style-type: none"> - The SAR reports is the ratio of sodium <p>Assessment of treated wastewater fertilizing capacity</p> <ul style="list-style-type: none"> - Treated effluents biodegradability was determined.... -where is the part of statistical analysis? <p>RESULTS AND DISCUSSION</p> <p>Effect of the use of treated effluents on vegetative development</p> <ul style="list-style-type: none"> - The legends of the curves must be included in the title of figure 3 - It is necessary to give the result of the physicochemical analysis of the well water to properly compare the growth of the plants. - Figure 5 is unclear and lacks captions <p>Effect of the use of treated on crop yield</p> <ul style="list-style-type: none"> -Analysis of heavy metals accumulated in plants irrigated by treated wastewater is necessary to assess the nutritional quality of cultivated plants or fruits. <p>CONCLUSION</p> <ul style="list-style-type: none"> -Microbiological analysis with heavy metals in water, soil and fruits over a long period is necessary to properly assess the risk. 	

Review Form 3

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Ridha Slami
Department, University & Country	University of Tunis El Manar, Tunisia