



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_6353
Title of the Manuscript:	PERIODIC IMPACT ASSESSMENT AND MAINTENANCE OF GROUNDWATER QUALITY – A CHALLENGE FOR AGRICULTURE
Type of the Article	Research Paper

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	3 : It can be "ASSESSMENT AND CONSERVATION OF GROUNDWATER QUALITY : A CHALLENGE FOR AGRICULTURE" 25 : can you replace it by "generality" 34 : It can be "these together and environmental data and soil information help to identify" 95 : use only the tables which contain the parameters you analysed or determined. I advise you table 5, and table 10. Table 1 and table 2 can be resumed in one graphic (USSL diagram, 1954) 98 : Figure 1 description isn't necessary and adequacy with the theme 99 – 104 : there is no picture or figure which locates this description (you can find the good pictures) 132 – 134 : delete (not necessary) 136 : delete 140 – 142 : delete (not necessary) 147 : we need figure which presents the location of different wells and the irrigated land 154 : With Wilcox's graphic (USSL diagram, 1954) to find 160 : Site selection and water sampling (why don't you present the agricultural activities in this region and his impact in the local economy). When you talk about irrigation, it means we are in agricultural zone 166 : change the figure 2 and integrate table 12 in figure 2 in the legend (the figure should present the location of wells, irrigated land and some geographic elements).	3: Done 25: Done 34: Done 95: done as suggested 98 : done as suggested 99 – 104 : done 132 – 134 : deleted as suggested 136 : deleted as suggested 140 – 142 : deleted as suggested 147 : Done 154: done 160 : done 166 : Done as suggested 188: Done 193: Done as suggested 198 -201: deleted as suggested 203: Done as suggested 225-228: deleted as suggested



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	188: explain why the T8 and T24 have ECw up to 2.7 dS/m 193: give the average or the range 198 -201: not necessary (delete) 203: include table 10 225-228: not necessary (delete) 260: comment those tables 16 and 17 263: comment this table 18 354-364; 367-375: not necessary 381-382: replace it by the figure and legend 395: no scale and incomprehensible map 397: no scale and no elements relate with the theme 399-411: not easy to understand (change it)	260: Done 263: Done 354-364; 367-375: deleted as suggested 381-382: Done as suggested 395: just showing the location of study area in Pakistan 397: replaced by another map as suggested 399-411: omitted as suggested by two other reviewers as well
<u>Minor</u> REVISION comments	19, 20, 21 : It is un good result but, in your methodology, we don't see how to have this conclusion. So it's important to add one sentence in methodology and present the manner of collecting this type of data 147 : explain SAR, RSC the first time when it appears and give the formula 174, 175 : include the reference of table 211: there is no discussion, isn't it 214-215; 219-221: how to understand in your case 222-224 : it can be explained with Wilcox's graphic 246: from – 22.03 to 1.70 meq/l 254: use Wilcox's graphic	19, 20, 21 : Done 147 : Done 174, 175 : done 211: fixed 214-215; 219-221: fixed 222-224 : done 246: done 254: done
<u>Optional/General</u> comments	112 – 118 : it can be introduce to the part named “case study of Pakistan” 118 – 124 : : it can be introduce to the part named “Irrigation water quality – major concern for sustainable agriculture” 208: analyse the case of T8 and his position in relation to agricultural activities 295: write the references as shown in manuscript template	112 – 118 : Done as suggested 118 – 124 : Done as suggested 208: Done as suggested 295: Done as suggested