



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)
<u>Compulsory</u> REVISION comments	Are the authors really conducting periodic assessment or one study at snap-shot of a time? I would rephrase the title or simply remove the word " periodic"	
<u>Minor</u> REVISION comments	1- Move study objectives to the introduction section 2- Rephrase the study objectives to 3 or max 4 3- Please specify the depth of the wells 4- Table 1-10 are not needed, use some remarks from tables in the text 5- I would delete figure 2. 6- You demonstrate your results by both figures and tables; I would suggest use only figures and elaborate on them in the results section. 7- Gypsum is usually added to Sodic soils not to water; please elaborate a bit more on this. 8- You suggest proper drainage system or proper crop rotation; would fallow-legume-grain rotation be suitable? Please provide an example of a crop rotation suitable to the study region. 9- Is the aquifer shared with India? 10- Is there any studies in the region about the potential radioactivity in the groundwater, this is of course if the ground water is used also for drinking purposes? 11- Please explain a bit more why you have chosen	



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	this particular area for investigating 12- Please elaborate a bit about the use of chemical fertilisers and whether they pose threat to GW. 13- Please refer to a study by Gleeson et al 2012 (Water balance of global aquifers revealed by groundwater footprint) to check the status of the study region for GW footprint).	
<u>Optional/General</u> comments	This is a good paper. However some minor changes may upgrade the MS from a report-like to an interesting article. The introduction section can be slightly improved to have the objectives at the end. The results are good, but fragmented. I would merge them in one sub-title like "Ions concentration". Too much use of figures and tables. I would not use tables 1-10. Simply cite them. Please consider the points above especially point 6.	

Note: Anonymous Reviewer