



SDI Review Form 1.6

Journal Name:	Asian Journal of Geographical Research
Manuscript Number:	Ms_AJGR_40835
Title of the Manuscript:	The impact of some physico-chemical variables on hydrogen sulphide levels in Lake Burullus sediments, Egypt
Type of the Article	Original Research Article

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>)

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	<ol style="list-style-type: none"> 1. Change line 10 "variation of some related hydrochemical parameters in occurrence" into "variation of some hydrochemical parameters related to the occurrence" 2. Replace lines from 11 to 15 with "The results indicated that, H₂S in lake sediment is increased with increasing water temperature, biological oxygen demand and the load of organic matter in water. On the other hand the the presence of dissolved oxygen and pH of water inversely impacted the levels of H₂S." 3. Lines 16-18, replace this sentence "while it were acidic in other stations which were affected by the discharges in front of the drains as shown in station 6 & 9 with highest recorded values of H₂S. " with "while it were acidic in front of the drains as a result of agricultural and other discharge." 4. Lines 18-21, Delete this sentence "Generally, the data gave positive correlation between the levels of hydrogen sulphide in sediment, biological oxygen demand, dissolved oxygen, hydrogen ion concentration and organic matters in sediment." 5. Line 31 change 410 km into 410 km² 6. Lines 31-34, Change this sentence and add reference and fig. "The lake receives drainage water from several drains which were considered the main source of pollution in the lake (4 milliar m³/y-1). The maximum amount of drainage water discharge from drain 9 at the middle sector of the lake." Into "The lake receives (4 milliar m³/y-1) drainage water from several drains which were considered the main source of pollution in the lake (REFERENCE). The maximum amount of drainage water discharge from drain 9 at the middle sector of the lake (Fig. 1)." 7. Line 40 insert reference after "and other biota" 8. Lines 46-48, Change this sentence "The toxicity of hydrogen sulphide for some fauna; namely Tilapia gallilae; Nauplii larvae of Artemia salina (Ocenebra erinacea) and Idotea baltica have been studied (Tayel and Shriadah, 1991)." into The toxicity of hydrogen sulphide for some fauna (Tilapia gallilae; Nauplii larvae of Artemia salina (Ocenebra erinacea) and Idotea baltica) have been recorded by Tayel and Shriadah (1991). 	Noted



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	<p>9. Line 62, insert this word “Geo-referenced” after “nine”</p> <p>10. Line 65 delete this sentence “Area is about 460 km².” It has mentioned previously in line 31 as 410 km</p> <p>11. Line 68 revise the depth with line 31</p> <p>12. Figure 1 must be enhanced especially the typed description within the figure</p> <p>13. Line 78 delete this sentence “Geo-referenced water samples were collected from 9 locations.”</p> <p>14. The authors must mention the method of organic matter determination</p> <p>15. The statistical analysis and Geo-statistical analysis sections should be deleted because now these parameters are directly done by Ms Excel and ArcGIS software with more precise results. And only mention the used software</p> <p>16. Line 116, station 6 contain the same level of H₂S as station 9????????? Rewrite in whole manuscript the correction</p> <p>17. Lines 119-121, this paragraph contain a fatal discussion because OM is positively correlated with H₂S, please revise and rewrite</p> <p>18. Figure 3, the authors must redraw this figure with providing coordinates and Scale</p>	
Minor REVISION comments		
Optional/General comments		