



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_32406
Title of the Manuscript:	Geochemical Analysis of the Groundwater Quality along the Vrishabhavathi River Basin
Type of the 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>)



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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 manuscript is well compiled and the work was carried out using the standard methodology. However, there are few concerns: The hydrogeology details are missing which are essential. The depth of the water level is not mentioned anywhere. I do not know, why the nitrates were not considered. Authors write that the dense urbanization and industrialization are the causes for pollution so these may be important. From the Piper plot, We get the hydrochemical facies or water type not the constituent levels. Consult the following papers for citations: Rao, M.S., Krishan, Gopal, Kumar, C. P., Purushotmanan P., Kumar, Sudhir. 2017. Observing changes in groundwater resource using hydro-chemical and isotopic parameters: a case study from Bist Doab, Punjab. Environmental Earth Science, 76:175. DOI: 10.1007/s12665-017-6492-1 Krishan G, Rao M. S, Kumar C. P, Kumar S, Loyal R. S, Gill G. S, Semwal P. 2017. Assessment of Salinity and Fluoride in Groundwater of Semi-Arid Region of Punjab, India. Curr World Environ 12(1). Available from: http://www.cwejournal.org/?p=16741 Rao, M.S., Kumar, L. Sampath, Krishan, Gopal,	Thank you for your suggestions and corrections The hydrogeology data has been added The depth of the water level is also mentioned. The nitrates are not included because we have obtained high level of nitrates so we are planning for another short paper. The piper plot concept has been corrected. All the corrections are being highlighted in the manuscript.



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	Rangaraj, C., Kumar, C. P. 2016. Application of isotopes in studying lake water – groundwater interactions in parts of Tumkur district of Karnataka. Current World Environment. 11(3): 751-755. Krishan, Gopal, Singh, Surjeet, Sharma, Anupma, Sandhu, C., Grischek, T., Gurjar, Suman, Kumar, Sumant, Singh, R.P., Glorian, H. and Bornick, H. 2016. Assessment of river quality for river bank filtration along Yamuna River in Agra-Mathura districts of Uttar Pradesh. International Journal on Environmental Sciences. 7(1): 56-67.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		