

## Review Form 1.6

Journal Name:	<b>Current Journal of Applied Science and Technology</b>
Manuscript Number:	<b>Ms_CJAST_92298</b>
Title of the Manuscript:	<b>Morphometric Analysis Using Geospatial Techniques: A Case study from Halayapura Micro-Watershed of Tumkur District, Karnataka</b>
Type of the Article	<b>Original Research Article</b>

### 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:

(<https://www.journalciast.com/index.php/CJAST/editorial-policy> )

### 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)
<b>Compulsory</b> REVISION comments	<p><b>Required to -resubmit abstract-I have revised-add key words-add India</b>  <b>Revised my self the abstract</b>  <b>Morphometric Analysis Using Geospatial Techniques: A Case Study from Halayapura Micro-Watershed of Tumkur District, Karnataka,India</b></p> <p>Geospatial techniques were used for land and water management action plans for the Halayapura micro-watershed in the Tumkur district of Karnataka. Arc GIS software was used in the evaluation of morphological characteristics in a micro-watershed. The present study reveals that the drainage pattern was dendritic with trunk order 4. The area, maximum length, and width of the micro-watershed are 503 ha, 4.40 km, and 2.20 km, respectively. The mean value of the bifurcation ratio was 2.5. It indicates the micro-watershed has suffered less structural disturbance. The value of drainage density 0.851 km which indicated that the region has permeable subsoil material. The value of the form factor indicates the micro-watershed is approaching the elongated shape of the watershed. The recharge factor found is 7% and the utilizable groundwater is 41.7 mm (70% of the 59.6 mm recharge estimated). This means the total available water resource, combining the soil moisture store and utilizable runoff plus recharge, is 256.0 mm. Currently, about 19.4% of the utilizable runoff is being used and 9% of runoff excess is being promoted by harvesting and conservation structures.</p> <p>Key words:add+</p> <p><b>References are not cited in the text-Add reference in the text and list them in reference list</b>  <b>Redraw figures-not standard-Fig no 1-Coordinates-Map IS JUST COPIED AND PASTED REDRAW MAP</b>  <b>Map-2 isa not also correct=add locations-coordinates-redraw</b></p>	
<b>Minor</b> REVISION comments	References add in the text Add latest references	
<b>Optional/General</b> comments	Paper required re work do the required in puts as suggested	

### PART 2:

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

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