

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_113214
Title of the Manuscript:	Morphometric Analysis of Dachigam Drainage Basin using Geo-Spatial Technology (GST)
Type of the Article	Original Research Article

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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1 yes: This study demonstrates the effectiveness of GIS software in the morphometric analysis of drainage basins, advocating for its adoption over traditional methods. The integration of GIS and remote sensing data has proven particularly efficient in extracting morphometric parameters for the Dachigam watershed. The results, in line with Horton's law, indicate a reduction in stream frequency as stream order increases, identifying the basin as elongated and posing potential risks such as significant floods and steep slopes. In summary, this research underscores the efficacy of remote sensing and GIS techniques for informed watershed management.</p> <p>2. yes 3. yes. 4 yes 5. yes 6. yes</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	it's good	
<p>Optional/General comments</p>	<p>For the maps, coordinates need to be added, and the legend must be visible. Fig. 5. Slope map of the study area: the Classification of the slope from the SOTER model (European Commission Soil Terrain Database 1995) should be utilized. Contour map of the study area: values of the contour lines need to be added</p>	

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

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