

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_109715
Title of the Manuscript:	GIS-BASED ANALYTICAL HIERARCHY PROCESS MODELING FOR FLOOD VULNERABILITY ASSESSMENT OF COMMUNITIES ALONG OTAMIRI RIVER BASIN IMO STATE
Type of the 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><u>Compulsory</u> 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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, it has value</p> <p>Yes</p> <p>Yes</p> <p>Not entirely</p> <p>Yes</p> <p>One missing (Siddik, M. A. Z., & Rahman, M. (2013). Spatial strategies for flood vulnerability analysis and long term scenario with geographic information system (GIS) in Sirajganj, Bangladesh. <i>International Journal of Water Resources and Environmental Engineering</i>, 5(9), 546-555.)</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		

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Optional/General comments

Abstract:

1. Elborate SRTM

Introduction:

The paragraphing techniques is very poor and the paragraphs are not flowing ideas. The reader needs to understand the flow while reading the manuscript. Please remove redundant paragraphing and you can follow the following things while rewriting the introduction

- First you need to address the motivation and significance of this study.
- Secondly, the authors can address previous literatures on this study.
- Thirdly, establish the gap between previous literature and this manuscript.
- Fourthly, address the goal and briefly address the process and results.

Paragraph 3: Is this from Duru and Chibo (2014) manuscript? If so, please remove these sentences and concise the summary

Paragraph 5: Please remove the techniques that was not used in this study.

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	<p>I found this manuscript followed the similar technique and the authors can follow that</p> <p>Siddik, M. A. Z., & Rahman, M. (2013). Spatial strategies for flood vulnerability analysis and long term scenario with geographic information system (GIS) in Sirajganj, Bangladesh. <i>International Journal of Water Resources and Environmental Engineering</i>, 5(9), 546-555.</p> <p>Study area: Paragrph 2: Please use superscript in all units in this paragraph.</p> <p>3.1. Methodology: The methodology needs to elaborate</p> <ul style="list-style-type: none"> - how the authors generated the flood vulnerability maps. -what kind of tools were used to develop those maps. <p>It needs to be in a way that anyone can recreate the same methodology to expand the analysis.</p> <p>Please provide a map indicating the existing slope, land use... and stations.</p>	
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Figure 1: Please use black color and what are the significance of different colors? Please be consistent with the text style.

Please prepare a table for the numbers (Very low vulnerability, low vulnerability...)and its easy to follow.

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

Reviewer Details:

Name:	Mohammad Abu Zafer Siddik
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