

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_125060
Title of the Manuscript:	"Assessing Flood vulnerabilities in Paradip coastal area, through Weighted overlay index"
Type of the Article	

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The manuscript you have presented is of significant value to the scientific community for several reasons. It addresses the crucial issue of coastal vulnerability in a region that faces both environmental and urban challenges, particularly Paradip, a vital coastal city in India. By leveraging Geographic Information Systems (GIS) and remote sensing technologies, the study provides valuable insights into flood vulnerability, an increasing concern due to rising sea levels and urban encroachment. The paper not only contributes to flood risk mapping but also offers practical recommendations for urban planners and policymakers, making it a critical resource for sustainable urban development and disaster management strategies. Its interdisciplinary approach will benefit researchers across fields like urban studies, environmental science, and GIS applications, promoting better-informed decisions in coastal management and urban resilience planning.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes.	
Are subsections and structure of the manuscript appropriate?	Yes.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<p>No. The list of bibliographic references should be increased to approximately 40 references.  <a href="https://www.researchgate.net/profile/Sergio-Lousada">https://www.researchgate.net/profile/Sergio-Lousada</a></p> <p>Suggestions:</p> <p>Lousada, S., Castanho R. A. (2022). <i>The Role of Ports in Tourism: Porto Santo Harbour</i>. <i>Water</i>, 14, 3176. <a href="https://doi.org/10.3390/w14193176">https://doi.org/10.3390/w14193176</a>. [SJR 2023: 0,72] – Q<sub>1</sub> Aquatic Science;</p> <p>Gonçalves, R. S., Camacho, R. F., Lousada, S., Castanho R. A. (2018). <i>Modeling of maritime agitation for the design of maritime infrastructures: the case study of Madeira Archipelago</i>. <i>Revista Brasileira de Planejamento e Desenvolvimento</i>, Curitiba, v. 7, n. 1, pp. 29-50. DOI: 10.3895/rbpd.v7n1.7136. ISSN: 2317-2363. (s/ SJR);</p> <p>Lousada, S.; Castanho, R.A. <i>Port Structures, Maritime Transport, and Tourism</i>. <i>Water</i> 2023, 15, 3898. <a href="https://doi.org/10.3390/w15223898">https://doi.org/10.3390/w15223898</a>. [SJR 2023: 0,72] – Q<sub>1</sub> Aquatic Science;</p> <p>Lousada, S.A.N., Hassan, N.M.S. <i>New Innovations in Engineering Education and Naval Engineering</i>. ISBN: 978-1-78984-037-7, Ed. IntechOpen, Inglaterra, 164 pp. (2020);</p> <p>Lousada, S.A.N. <i>Underwater Work</i>. ISBN: 978-1-78985-229-5, Ed. IntechOpen, Inglaterra, 88 pp. (2021);</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>Yes.</b></p>	
<p><b>Optional/General</b> comments</p>	<p>The manuscript holds significant relevance for the subject, making its content highly valuable to researchers and readers interested in this field. The authors have meticulously crafted an excellent methodological description and the schematics (figures) that, while beneficial, need quality enhancement. These elements significantly aid in understanding the methodology and guidelines presented. The manuscript title accurately reflects its content, ensuring coherence and clarity. The carefully chosen keywords facilitate subsequent research and serialization (Rephrase alphabetically the keywords), allowing for efficient information retrieval. To further enhance the manuscript's presentation, a thorough rectification of its formatting is necessary. This includes eliminating blank spaces, ensuring proper alignment, and adhering to the editor's template. Such attention to detail will improve the overall readability and professionalism of the document.</p> <p>Despite its strengths, additional reviews are essential to elevate the manuscript's scientific rigor and quality. Implementing the corrections suggested by the reviewer is crucial. These amendments will refine the manuscript's content, making it more robust and authoritative. By addressing these recommendations, the manuscript will not only meet but exceed academic standards, ultimately contributing significantly to the body of knowledge in this domain. The conclusions are too weak. How they are now I cannot see how it contributes to the advance of the thematic field. In this regard, other researches and studies should be exposed, confronted/compared to create a discussion in order to enrich the state-of-the-art and consequently further develop the field, at least 3 paragraphs of text corroborating and comparing with similar works. The list of bibliographic references should be increased to approximately 40 references.</p> <p>In summary, the manuscript is well-constructed and relevant, but with further refinement and adherence to reviewer suggestions, it will achieve a higher level of excellence and scientific merit.</p> <p>If you have any questions, please do not hesitate to contact me; I will be entirely available. I recommend reading the manuscript execution template provided by the publisher.</p>	

**PART 2:**

	Reviewer's comment	Author's comment <i>(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)</i>
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes. Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

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