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| Book Name: | **ACCLIMATIZATION AND ADAPTATION TO THE DAMAGE OF CLIMATE CHANGE WITH EFFECT OF UPSTREAM HYDROELECTRIC DAMS AND THE FUNAN TECHO CANAL ON THE MEKONG DELTA, VIETNAM** |
| Manuscript Number: | **Ms\_BPR\_4767** |
| Title of the Manuscript:  | **ACCLIMATIZATION AND ADAPTATION TO THE DAMAGE OF CLIMATE CHANGE WITH EFFECT OF UPSTREAM HYDROELECTRIC DAMS AND THE FUNAN TECHO CANAL ON THE MEKONG DELTA, VIETNAM** |
| Type of the Article | **Complete Book** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript provides an analysis of how climate change, upstream hydroelectric dams, and the Funan Techo Canal impact the Mekong Delta in Vietnam. The topic is crucial, considering the increasing effects of climate change and human activities on the Mekong Delta. The manuscript thoroughly discusses climate change, hydroelectric dams, and their combined effects on the region. The manuscript includes statistical data, references to IPCC reports, and discussions on historical and projected climate patterns. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title of the article is suitable. |  |
| 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. | I would like to suggest some points for the abstract section:1. Clarity and Conciseness – The abstract should succinctly summarize the key findings and conclusions. Currently, it may contain excessive background information. Consider refining it to focus more on the study’s main contributions.
2. Methodology Inclusion – The abstract does not specify the methodology used. Briefly mentioning the research methods (e.g., data collection techniques, modeling approaches) would enhance its comprehensiveness.
3. Key Findings and Impact – While the abstract discusses the broader impacts of climate change and hydroelectric dams, it should clearly highlight the specific findings of this study and their implications.
4. Proposed Adaptation Strategies – The manuscript suggests adaptation strategies, but the abstract should briefly summarize the most critical recommendations.
5. Removal of Redundant Information – If the abstract reiterates general climate change concepts without direct relation to the study, consider streamlining it for brevity.
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| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript presents substantial scientific data on climate change, hydropower projects, and their impacts on the Mekong Delta. It references key reports, including IPCC findings, and discusses both natural and human-induced effects. However, improvements are needed for clarity and credibility.Strengths:1. Comprehensive Coverage – Includes climate projections, hydrological changes, and environmental impacts.
2. Use of Data – References global climate trends and links them to local conditions.
3. Multifactor Analysis – Considers both climate change and hydropower impacts.

Areas for Improvement:1. Clarify Data Sources – Some statistics lack proper citations.2. Define Methodology – Explain how projections were calculated.3. Differentiate Causes – Distinguish hydropower effects from climate change.4. Ensure Consistency – Use precise terminology throughout.5. Support Claims – Some statements need comparative data to avoid overgeneralization. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | 1. The references provide a strong foundation but should be updated with more recent and region-specific studies.2. Key data points need explicit citations for accuracy.3. Adding peer-reviewed journal articles will enhance the scientific rigor of the manuscript.Suggested Additional ReferencesTo strengthen the manuscript, consider adding the following sources:* IPCC Sixth Assessment Report (AR6, 2021-2023) – Provides the latest findings on climate change impacts and projections.
* Mekong River Commission Reports – Contains updated hydrological data on upstream dam impacts.
* Recent Peer-Reviewed Studies:
	+ Kuenzer, C., et al. (2021). *"The Mekong Delta under climate change – A review of current knowledge on impacts, mitigation, and adaptation."* (Journal of Hydrology)
	+ Kondolf, G. M., et al. (2018). *"Dams on the Mekong: Cumulative sediment starvation."* (Science Advances)
	+ Schmitt, R. J. P., et al. (2017). *"Future sediment fluxes in the Mekong Delta under climate and land use change."* (Science of the Total Environment)
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| Is the language/English quality of the article suitable for scholarly communications? | * The writing style could be clearer, with some sentences being overly complex.
* Some sections have grammatical errors and inconsistent terminology.
* A professional proofreader could enhance clarity and flow.
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| Optional/General comments | N/A |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  |  |  |

**Reviewers:**

**Farah Binte Shahid Urbi, Islamic University of Technology (IUT), Bangladesh**