

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_112015
Title of the Manuscript:	CLIMATE CHANGE IMPACTS AND MITIGATION STRATEGIES IN THE ENERGY SECTOR OF AFRICAN COUNTRIES
Type of the Article	Original Research Article

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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> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> I can provide some general insights about this manuscripts "climate change impacts and mitigation strategies in the energy sector", particularly in African countries, can be of significant importance to the scientific community. Africa is vulnerable to the impacts of climate change, and understanding how it affects the energy sector is crucial for developing effective strategies to adapt to and mitigate these effects. Research in this area can contribute to the scientific understanding of the challenges faced by African countries in the context of climate change and can provide valuable insights for policymakers, researchers, and practitioners. It may address issues such as renewable energy adoption, resilience of energy infrastructure, and the overall sustainability of energy systems in the face of changing climate patterns. Yes The abstract is longer than recommended. The abstract should be between 150 and 250 words. The subsections and structure of the manuscript is not appropriate. However, I can provide suggestions to the author to improve the outline of the manuscript. Meanwhile, This outline provides a structured framework to organize the research article, but the specific content and details will depend on the available data, methodologies used, and the depth of analysis in each section. <ul style="list-style-type: none"> I. Introduction <ul style="list-style-type: none"> Background <ol style="list-style-type: none"> Overview of Climate Change Importance of Studying Climate Change in the Energy Sector Relevance to African Countries Research Objectives <ol style="list-style-type: none"> Understanding Climate Change Impacts Identifying Mitigation Strategies Focusing on the Energy Sector in African Nations Significance of the Study <ol style="list-style-type: none"> Addressing a Gap in Knowledge Potential Impact on Policy and Sustainability II. Materials & methods <ul style="list-style-type: none"> Data Collection <ol style="list-style-type: none"> Sources of Climate Data Energy Sector Data Collection Methods Case Studies (if applicable) <ol style="list-style-type: none"> Selection Criteria for Countries/Regions Methodological Approach for Case Studies III. Results & discussion <ul style="list-style-type: none"> Climate Change Impacts in the African Energy Sector <ol style="list-style-type: none"> Temperature and Weather Pattern Changes Effects on Renewable Energy Sources Impact on Fossil Fuel-based Energy Production Mitigation Strategies <ul style="list-style-type: none"> Renewable Energy Adoption <ol style="list-style-type: none"> Solar and Wind Power Hydropower Projects Energy Efficiency Measures <ol style="list-style-type: none"> Infrastructure Upgrades Technological Innovations Policy and Regulatory Approaches <ol style="list-style-type: none"> Government Initiatives 	

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	<p>2. International Collaborations Challenges and Opportunities A. Identifying Barriers to Implementation B. Opportunities for Sustainable Development C. Lessons Learned from Previous Initiatives Case Studies (if applicable) A. Showcase specific African countries and their experiences</p> <p>IV. Conclusion A. Summary of Findings B. Implications for the Energy Sector in African Countries C. Recommendations for Future Research</p> <p>VIII. References</p> <p>5. It has been observed that the number of sources cited within the main body of the manuscript is not equivalent to the number of references listed in the reference section. This discrepancy requires attention and should be rectified to ensure the accuracy and reliability of the manuscript. For example Investing in modernized and increased energy efficiency (e.g. buildings, equipment, and appliances), renewable energy, the electrification of industrial processes, heating and transport, energy storage, the greening of gas networks, education and training, and low-carbon research and development (Wang et al., 2021).</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>In the manuscripts, certain language-related issues need to be addressed. One of the major issues is readability; the language used in the manuscripts is not always easy to comprehend. To improve the readability of the manuscripts, the author need to work on a few areas. For instance, the author need to eliminate redundancy and ensure that the language is concise. The author also need to ensure that there is a smooth transition from one sentence to the next and that the text flows smoothly. In addition to these, the author need to work on the phrasing of the text and suggest better wording where required. By addressing these issues, the author can make the manuscripts more comprehensible and reader-friendly.</p>	
<p>Optional/General comments</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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