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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6045** |
| Title of the Manuscript:  | **Mozambique Solar Thermal Energy Technologies: Current Status and Future Trends** |
| Type of the Article | **Book Chapter** |

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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.** | **The manuscript presents a comprehensive and timely review of the development, challenges, and future perspectives of solar thermal energy technologies in Mozambique. It contributes significantly to the scientific community by highlighting the country's untapped solar potential, the socio-economic impact of adopting thermal energy solutions, and the policy-level efforts required to support their widespread use. This work is relevant not only for energy researchers and policymakers in Sub-Saharan Africa but also for global actors interested in energy transition, rural electrification, and climate mitigation strategies in developing countries** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, the title of the article, “Mozambique Solar Thermal Energy Technologies: Current Status and Future Trends,” is suitable and accurately reflects the content and scope of the manuscript.** |  |
| 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. | **The abstract is generally comprehensive and provides a good overview of the paper’s purpose, context, and key findings. However, to improve its clarity and effectiveness, the following suggestions are recommended:****Add Quantitative Details: Include more specific data such as the current installed capacity (e.g., 3 MWth), and solar radiation range (already mentioned), to strengthen the evidence.****Highlight Barriers and Opportunities: While the abstract mentions “barriers and opportunities,” it would be clearer to briefly specify key barriers (e.g., high system cost, lack of awareness) and opportunities (e.g., government policy targets).****Clarify Contribution: The abstract should explicitly state that this is a review paper to distinguish it from original experimental research.****Suggested minor revision:****“This paper reviews the current status and future prospects of solar thermal energy technologies in Mozambique, identifying key technological options, policy developments, and implementation barriers. Despite high solar radiation levels (1785–2206 kWh/m²/year), adoption remains low with only 3 MWth installed. Key obstacles include high system costs, limited consumer awareness, and weak infrastructure, while opportunities lie in supportive government strategies and off-grid potential. The findings contribute to understanding how solar thermal systems can support sustainable development and energy access in the region.”** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, the manuscript is scientifically correct. It provides accurate data, relevant references, and a clear explanation of solar thermal technologies in Mozambique. The content is logically structured and technically sound. Minor clarifications could further enhance its precision, but overall, the scientific quality is satisfactory.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The references used in the manuscript are generally sufficient and relevant to the topic. They include foundational studies and national policy documents, as well as regional reports on renewable energy. However, several sources are somewhat dated (e.g., from 2010–2015), and the manuscript would benefit from the inclusion of more recent and globally recognized references to reflect current developments.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The language quality of the article is generally understandable, but it requires improvement to meet the standards of scholarly communication. Several sentences are lengthy, grammatically inconsistent, or awkwardly phrased, which can hinder clarity and reader comprehension. There are also minor issues with verb tense, punctuation, and word choice. Original**:*Mozambique’s economy and population is growing fast and so its power needs.”***Suggested minor revision**:*“Mozambique’s economy and population are growing rapidly, leading to increasing energy demands.”* |  |
| Optional/General comments | The manuscript is timely and relevant, offering valuable insights into solar thermal energy development in Mozambique. It effectively combines technical, policy, and socio-economic perspectives. To improve impact, the authors should consider updating data, refining technical clarity, and enhancing formatting consistency. Overall, it is a meaningful contribution with strong publication potential after minor revisions. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s Feedback** (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:**

**Rijal Asnawi, Brawijaya University, Indonesia**