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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\_5783** |
| Title of the Manuscript:  | **Present Energy Scenario and Solar Energy as an Alternative Option** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | 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 an in-depth review and comparative analysis of solar collector technologies with potential for large-scale application. Its emphasis on performance metrics, economic viability, and environmental impact provides valuable insights for researchers, policy-makers, and industry practitioners. The study promotes sustainable development and energy efficiency, which are vital to contemporary energy challenges. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title 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 comprehensive and well-structured. It clearly outlines the objective, scope, methodology, and findings. No changes are necessary. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript is scientifically robust, methodologically structured, and supported by relevant literature and performance equations. Experimental validation and reference to real-world climatic data increase its credibility. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references are sufficient and recent (up to 2023–2024). No need for additional sources. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript uses clear, academic language appropriate for scholarly publication. |  |
| Optional/General comments | The chapter could further benefit from a brief discussion on hybrid systems (e.g., PV/T).This chapter addresses a critical and timely topic in the global energy transition—the adoption of solar energy as a viable alternative to fossil fuels. The comparative analysis between flat plate and evacuated tube solar collectors is clearly structured, methodologically sound, and supports broader discussions on sustainability, environmental protection, and renewable energy applications. The chapter is informative and relevant for both academic and practical fields. |  |

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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:**

**Constantin Mihaela, Romania**