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| Book Name: | **Innovative Solutions: A Systematic Approach Towards Sustainable Future** |
| Manuscript Number: | **Ms\_BPR\_** **3724.14** |
| Title of the Manuscript: | **Study on Use of a Small Size Solar Water Heater for Tea/Coffee Preparing Applications** |
| Type of the Article | **Complete Book chapter** |

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| PART 1: Review Comments | | |
| Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | **This manuscript is significant for the scientific community as it explores the practical application of solar energy in everyday situations, specifically in the preparation of tea and coffee. By focusing on small solar water heaters, the study addresses a critical need for sustainable energy solutions that can reduce reliance on fossil fuels, particularly in regions with high solar potential. I appreciate the manuscript for its thorough experimental design and economic analysis, which provide valuable insights into the feasibility of implementing such systems in local tea stalls. This work not only contributes to the body of knowledge on renewable energy technologies but also highlights a viable pathway for reducing environmental impact and improving energy efficiency in everyday practices.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title "Study on Use of a Small Size Solar Water Heater for Tea/Coffee Preparing Applications" is suitable, but it could be more concise. An alternative title could be "Utilizing a Small Solar Water Heater for Sustainable Tea and Coffee Preparation," which captures the essence of the study while emphasizing sustainability.** |  |
| 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 provides a good overview of the study, outlining its objectives, methods, and key findings. However, it could be improved by including specific results, such as the maximum temperature achieved and the calculated payback periods. Additionally, a brief mention of the broader implications of the findings for energy consumption in tea stalls would enhance its relevance.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **The subsections and overall structure of the manuscript are appropriate, facilitating a logical flow of information. Each section builds upon the previous one, making it easy for readers to follow the progression of the research. The inclusion of tables and figures to present data is effective, though ensuring all visual aids are referenced in the text would improve clarity.** |  |
| **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.** | **The manuscript is scientifically robust and technically sound, demonstrating a solid understanding of solar thermal systems and their applications. The methodology is well-documented, with clear descriptions of the experimental setup and procedures. The calculations for energy savings and payback periods are thorough and based on reliable data, lending credibility to the findings. Overall, the research is presented in a systematic manner that reinforces its validity and applicability.** |  |
| **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 mostly recent, covering a range of relevant studies. However, to strengthen the manuscript further, I suggest including additional recent publications on innovations in solar water heating technologies, particularly studies published in the last two years. This could provide a more comprehensive context for the research.** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | The language and quality of English in the article are generally suitable for scholarly communication, but there are some minor grammatical errors and awkward phrases that could be refined. Proofreading for clarity and consistency would enhance the overall quality. Additionally, ensuring that all figures and tables are correctly referenced in the text will improve the manuscript's readability. |  |
| Optional/General comments |  |  |

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| **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Monaem Elmnifi** |
| Department, University & Country | **Bright Star University, Libya** |