Review of: "Technical and Financial Viability of a 1 MW CSP Power Plant with Organic Rankine Module: Case Study for a Northeastern Brazilian City"

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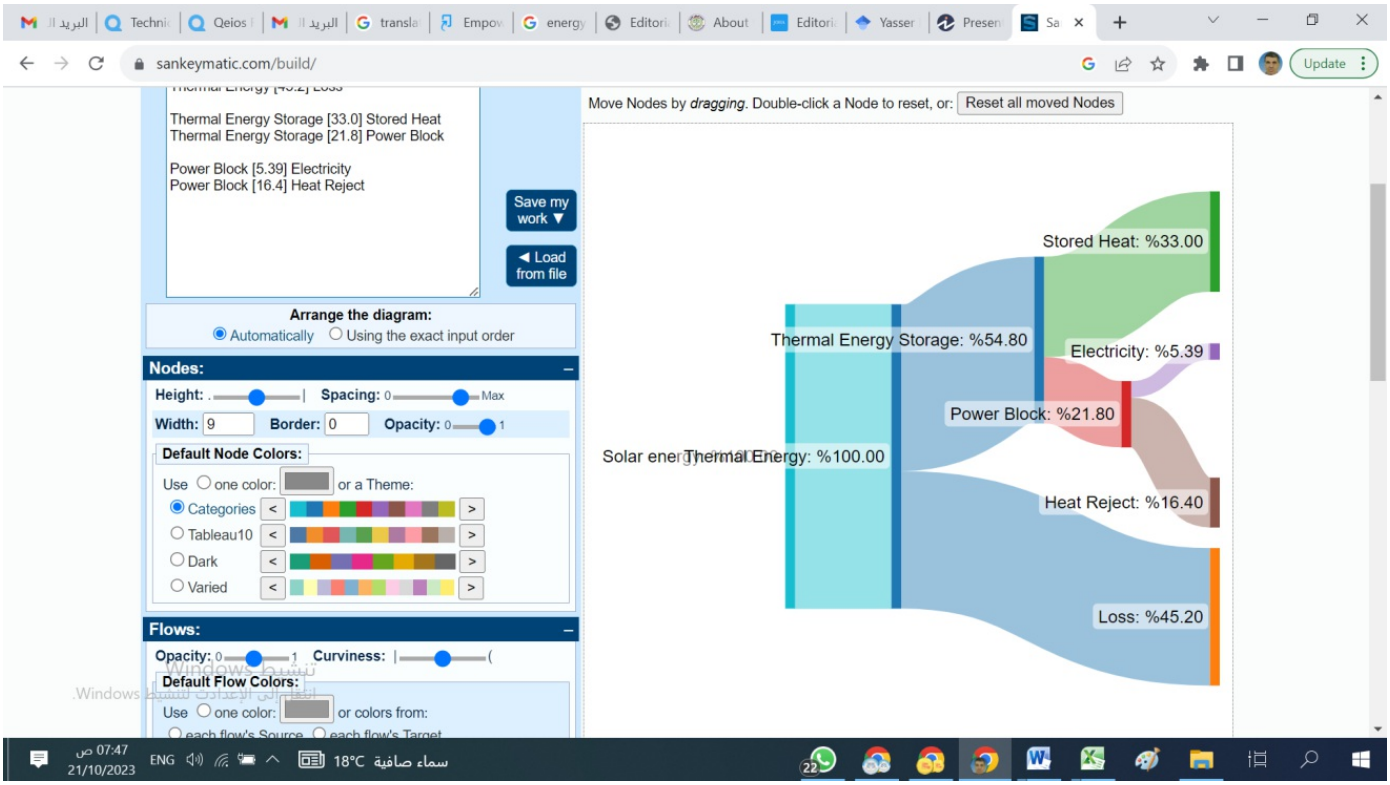
Potential competing interests: No potential competing interests to declare.

Comments on manuscript Qeios ID: NKKKOI

1. "Between 2016 and 2017", It's almost 2024, and these stats need to be updated. "Global installed solar power capacity in 2021 was approximately 6.8 GW. With the inclusion of three new concentrated solar power projects under construction in China and in Dubai, United Arab Emirates in 2023, bringing the total to about 7.5 GW." [https://www.researchgate.net/publication/374846048]
2. References must begin with [1].
3. "Even though the investments in CSP are still low when comparing to wind (906 GW) and photovoltaics (1177GW) according to statistics of 2022 [https://www.researchgate.net/publication/374846048].
4. "by concentrating the direct solar radiation" should be "by concentrating the Direct Normal solar Irradiation (DNI)"
5. Section 2 system modeling: Please add the abbreviation after "System Advisor Model" (SAM)
6. Eq. (1) left without source, and you have to give definitions for all symbols used even provided in the nomenclature.
7. Equation 4: I don’t know from where you get this equation!
8. Fig. 2, for which day and year? What is the source of your climatic data? And how much they are?
9. In Fig. 3, the energy flow percentage should be related to the source. such like this



1. Please provide a subsection introducing a climatic details about the study area with hourly, monthly average maximum and minimum and annual average of temperature, global horizontal and direct normal solar irradiance [https://ijees.org/index.php/ijees/article/view/44/20].
2. Also, provide a subsection including Assumptions, limitations and uncertainties. Please take a look and cite: https://doi.org/10.1007/s40243-022-00216-1
3. Figs 2 and 3 are not results? If yes what is the source! If no move them to the results section!
4. There are no discussions for the results. Authors should explain their results
5. Authors estimated the quantity of CO2 saved! Why you did not including it in the LCOE, This will reduce the LCOE value and give solar a fair chance to compete in the energy market [https://doi.org/10.1080/17512549.2023.2209094]. Please see the following works

https://doi.org/10.3103/S0003701X22601557

https://doi.org/10.1016/j.clet.2023.100650 **https://doi.org/10.1002/ep.14049**

Just subtract the social cost of Carbon in the eqn of LCOE

1. The bibliography is out of date! Please update it!