

Review of: "Hospital's Thermo-neutral Zone for Patient Safety and Climate Change Sustainability"

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Potential competing interests: No potential competing interests to declare.

Thank you for submitting your paper "Thermal Comfort Temperature Evaluation in Hospital Wards for Patient Safety and Climate Change Sustainability" to Qeios.

This research presents a standardized method for evaluating thermal comfort in practical environments. The investigation focuses on the ongoing utilization of hybrid ventilation systems at Kadhimiya Teaching Hospital to maintain uniform air quality in the wards. The implementation of temperature control systems in these locations is crucial for delivering thermal comfort, representing a potentially efficient albeit costly strategy to mitigate the effects of climate change.

The article is discretely written and not structured as a scientific text; the literature review is comprehensive and up to date. Several issues need to be addressed properly before the paper is considered for publication. In particular, the work is very poor in how the results were obtained.

Given the considerable use of acronyms, add a nomenclature table.

"The air temperature decreases by 0.5 °C for every G increase across an area of 0.03-0.20 m²/m², which is equivalent to a Leaf Area Index (LAI) of 4.5 m²/ha."

Explain what "G" is in the abstract.

G covered? Is G the H / B ratio? I don't understand.

The green ratio shielded G and the sky. Please use a different letter here or before.

Figure 2 displays the minimum, median, and typical air temperatures (measured, M, calculated, C, predicted, P) Please explain how the temperature was calculated in detail.

Celsius degree wants °C.

The work is poor in description. All values reported as "calculated" lack sufficient description of how they were obtained.

It is hardly possible to reproduce the data as presented because there are too many details missing to repeat the modeling.

The work cannot be accepted in this form; it requires strong implementation. A scientific paper necessarily requires a

detailed description of how the results were obtained; a simple representation of them is not enough.