

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

Noureddine Zemmouri<sup>1</sup>

<sup>1</sup> University of Algiers Benyoucef Benkhedda

**Potential competing interests:** No potential competing interests to declare.

The paper, "Hospital's Thermo-neutral Zone for Patient Safety and Climate Change Sustainability," explores the effectiveness of hybrid ventilation systems in Kadhimia Teaching Hospital, Baghdad. It assesses the challenges in cooling buildings in Iraq, particularly in the absence of electricity, and the impact of climate change. The study is methodologically sound, collecting data from January 2021 to March 2022, and includes microclimatological measurements from March to August 2022. It introduces a standardized approach for assessing thermal comfort in hospitals and underscores the importance of temperature control systems for patient safety and climate change mitigation.

The study introduces a unique approach to assessing thermal comfort in hospital environments, particularly under challenging conditions like limited electricity and extreme climates. This approach is relatively novel in the field.

The methodology, including microclimatological measurements and a year-long data collection, appears thorough and well-structured. This provides a solid foundation for the study's conclusions. The paper is well-organized and presents its findings in a clear, accessible manner.

The paper is highly relevant to current global issues, addressing both patient safety and climate change sustainability in healthcare settings. In addition, the results have significant implications for hospital design and operations, especially in regions facing similar climatic and infrastructural challenges.

Overall, the paper seems to be a valuable contribution to the field and could be a strong candidate for publication. However, refining the title of the paper can enhance its focus and appeal to specific audiences. Considering the content, a more specific title could be:

"Enhancing Patient Comfort and Environmental Sustainability: Hybrid Ventilation Systems in Iraqi Hospitals"

This title narrows the focus to the key aspects of the research: patient comfort and environmental sustainability, specifically in the context of Iraqi hospitals. It also highlights the core solution the paper discusses, which is the use of hybrid ventilation systems.

At the end, we have to point out that the evaluation and comments on the paper are made with the understanding that the editor has already verified its authenticity and originality. This means that the focus of the feedback is primarily on the content's relevance, methodological soundness, practical implications, and potential for publication, without concerns about plagiarism or academic integrity.



