

Review of: "The Impact on People's Well-being of Utilizing Greenery in the Design of High-rise Residential Building Balconies"

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Potential competing interests: No potential competing interests to declare.

The article deals with the theme of inclusion of greenery on residential building balconies, revealing that it has an impact on people's well-being. The theme is interesting and pertinent. The article has an organized and clear structure, with Introduction, Method, Results, Discussion, and Conclusion sections.

The Introduction provides an adequate context for the theme, including a diverse and consistent literature review. The Method section presents an understandable description of the research process. There are also indicated the tools utilized for the research, namely Virtual Reality Technology for the immersive visualization of the balconies by the participants, the Questionnaire for the quantification of the well-being experienced by the users of the balconies, and the Participants in the experience, which consisted of a random sample of 45 participants. It should be noted that the number of participants in the study is reduced. Future experiments should consider a higher number of participants. Yet in the Method section, the study context is also described, referring to the softwares used for the balconies' design and the different levels of greenery that were considered.

The Results section refers to the fact that the results achieved suggest that the use of greenery in the design of balconies has the potential to significantly impact those who experience the greenery's well-being. The study did not find a significant difference between well-being and different amounts of greenery. It means that well-being can be improved even with a few pots and that there is no need for a substantial amount of greenery to observe that effect. Moreover, the research shows that no significant correlations were recorded between greenery and the different ages or genders of the participants. Finally, the Conclusion section reports that the outcomes of this study revealed that interaction with natural green elements in the balcony of a residential building has the potential to have a significant positive impact on individuals' perception of their positive health and overall well-being. Also, the results showed that individuals could experience a better perceived well-being impact of natural greenery even when interacting with those elements in a VR environment with elements resembling natural vegetation.

The article is well-written and pleasant to read, the language used being capable of captivating the interest of the reader.

The following minor revisions are suggested in order to improve:

1. The authors should specify the types of greenery (plant species, their main characteristics, and dimensions) used in



the study, namely those corresponding to B = Low Greenery, C = Medium Greenery, and D = High Greenery;

2. The conclusion section can be developed further, mentioning future research directions, such as the inclusion of greenery on balconies of other building types, for example office buildings, or the different uses that greenery can have on balconies, such as gardening or small-scale urban farming.

Level of interest: Research work with a good level of interest.

Quality of written English: Good quality of the English language used.

Declaration of competing interests: No potential competing interests to declare.

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