

# Review of: "Results in Cone Metric Spaces and Related Fixed Point Theorems for Contractive Type Mappings"

Wadei Al-Omeri<sup>1</sup>

<sup>1</sup> Jadara University

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

Report

reviewer comment

Results in cone metric spaces and related fixed point theorems for contractive type mappings

In the first two parts, the authors presented the Introduction and Preliminaries and related results from the literature. In the third part, they proved the main results. Finally, in section 4, the authors present, as an application of their results, they establish that Theorem 3.3 and Theorem 3.4 can be utilized to derive the existence of fixed point results for some mappings in a cone metric space with different conditions. In the sequel, we begin with the following definitions..

Before acceptance of the paper, I suggest the following minor changes to make a better presentation of the paper:

1. Some notations and equations are messed up. Please use a proper equation editor format to make them clearly visible and understandable.
2. The authors are suggested to apply proofs of their paper in actual problems .
3. All symbols should be italic in math form.
4. All the notations and abbreviations should be checked carefully.
5. Please rewrite the abstract section again.
6. Mention at least one application with an elaborate solution .
7. Are these new results sharp and more accurate compared with the others?
8. The abstract should be improved, as it has some shortcomings regarding the continuity of sentences. It should be revised in the sense that it clearly presents the proposed idea effectively.
9. Please check and if needed add all the missing punctuation or missing italics.
10. Theorem is not clear. Needs more discussion.
11. Improve the literature review, historical background, and add future scope of study more effectively. To handle this issue, authors can discuss some

well-related and recent references.

12. Language quality needs improvement.

13. Add a conclusion part to highlight the significance of this work and give direction for application to future work.

14. The conclusion section should be enriched with some future remarks.

15. Please clearly describe the contributions of your paper in the Abstract.

16. The references should have a clear and unified format .

17. There are many big spaces between lines, i.e., (line 192-194), should be removed the space in the holy paper as per journal format.

18. I have reviewed the paper. Presentation, the related literature, and technical soundness are good. It presents a good method. After made some

additions to the paper, I recommend it for publication.

19. I suggest adding some new relevant references to this topic.

(a)  $(\phi; \quad)$ -Weak Contractions in Neutrosophic Cone Metric Spaces via Fixed Point Theorems, 2020, Journal Mathematical Problems in Engineering, 8, Pages 1-8.

(b) Neutrosophic Fixed Point Theorems and Cone Metric Spaces, 2020, Journal Neutrosophic Sets and Systems, 31, 50-265.

Recommendation: I recommend accepting and publishing the paper after taking all the previous comments and observations and making some minor modifications mentioned above.

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