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| Journal Name: | [Asian Basic and Applied Research Journal](https://jofresearch.com/index.php/ABAARJ) |
| Manuscript Number: | **Ms\_ABAARJ\_1880** |
| Title of the Manuscript: | **Generalized “Reich” Fixed Point Theorem on “C-M-S” Depend on Another Function** |
| Type of the Article |  |

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| **PART 1: Comments** |
|  | **Reviewer’s comment****Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **Review Report****Manuscript Title: Generalized "Reich" Fixed Point Theorem on "C-M-S" Depend on Another** **Function****Reviewer Comments:**1. **Overall Assessment**

The manuscript presents a significant contribution to fixed point theory, specifically extending the Reich fixed point theorem on complete metric spaces (C-M-S) with dependence on another function. The results generalize and improve previous findings in the literature. The mathematical formulations and proofs appear to be technically sound. However, some minor revisions are necessary to improve clarity, grammar, and references.1. **Minor Revisions**

**A. Typographical and Grammatical Errors*** 1. Abstract:
		+ "In the present paper, we obtained" → "In this paper, we obtain"
		+ "depends on another function" → "depending on another function"
		+ "Our results generalizes, improves" → "Our results generalize and improve"

… so on1. Introduction and Preliminaries:
	* "The Fixed point theory is an important topic in non linear analysis." → "Fixed point theory is an

important topic in nonlinear analysis."* + "The Banch fixed point theorem" → "The Banach fixed point theorem"
	+ "Later, many authors have been developed in different forms" → "Later, many authors developed it

in different forms." So on…1. Definitions and Theorem Statements:
	* "Let (X, ρ) be a metric space." → "Let (X, ρ) be a metric space."
	* "A is said sub sequentially convergent" → "A is said to be subsequentially convergent." So on…

**3. Suggested Additions****A. Additional References**To strengthen the paper, additional references from recent literature should be included. Some suggested references:* Agarwal, R.P., O'Regan, D., & Sahu, D.R. (2009). Fixed Point Theory for Lipschitzian-type Mappings in Metric and Banach Spaces. Springer.
* Kirk, W.A. (2003). Fixed Point Theorems in Metric Spaces. Cambridge University Press.
* Rhoades, B.E. (2001). Contractive Definitions and Fixed Point Theorems. Contemporary Mathematics, 140, 233-245.
* S. Omran & Ö. Özer (2020). Determination of the some results for coupled fixed point theory in C\*-
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|  | Algebra valued metric spaces. Journal of the Indonesian Mathematical Society, 26(2), 258– 265. [https://doi.org/10.22342/jims.26.2.914.258-265.](https://doi.org/10.22342/jims.26.2.914.258-265)* Özen Özer, Saleh Omran, 2025, Results on C\*-algebra valued normed spaces including fixed point theorems with new developments and applications , Advances in Mathematical Sciences and Applications, Vol. 34, pp.47–59.
* Ö. Özer (2023). A note on a special metric space with triple fixed points. *Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, *6*(2), 1285–1295.
* Kifayat Ullah, Özen Özer, Akbar Ali, Junaid Ahmad, 2025, New results on the iteration process to fixed points with condition $(B\_{\gamma,\mu})$ in Hadamard spaces , Advances in Mathematical Sciences and Applications, Vol. 34, pp.61–74.
* Ö. Özer & S. Omran (2016). Common fixed point in C∗-Algebra b-valued metric space. In *Application of Mathematics in Technical and Natural Sciences: 8th International Conference for Promoting the Application of Mathematics in Technical and Natural Sciences - AMiTaNS’16*, volume 1773 pp. Article ID: 050005. AIP Conference Proceedings, Albena, Bulgaria. https:

//doi.org/10.1063/1.4964975.* + Ö. Özer & S. Omran (2019). On the C∗-Algebra valued G-metric space related with fixed point theorems. *Bulletin of the Karaganda University. Mathematics Series*, *95*(3), 44–50. https:

//doi.org/10.31489/2019m2/44-50.* + Ö. Özer & S. Omran (2019). A result on the coupled fixed point theorems in C∗-Algebra valued b-metric spaces. *Italian Journal of Pure and Applied Mathematics*, *42*, 722–730.
	+ Ö. Özer & A. Shatarah (2020). A kind of fixed point theorem on the complete C∗-Algebra valued s-metric spaces. *Asia Mathematika*, *4*(1), 53–62.
* L. Berinde, "Iterative Approximation of Fixed Points," Springer, 2007.
* A. Refice, Ö. Özer & M. S. Souid (2023). Boundary value problem of Caputo fractional differential equations of variable order. *Turkic World Mathematical Society Journal of Applied and*

*Engineering Mathematics*, *13*(3), 1053–1068.**B. Future Work**A 'Future Work' section should be included at the end of the manuscript. Some possible directions:* Extending the results to partially ordered metric spaces.
* Applying the theorem to dynamic systems or computational algorithms.
* Investigating fixed point results under different contractive conditions.
* Exploring connections with fuzzy metric spaces and their applications.

**4. Conclusion**The manuscript presents valuable results in fixed point theory with generalizations and improvements to existing theorems. However, minor revisions are required to correct grammatical errors and improve clarity. Additionally, incorporating recent references and a 'Future Work' section would enhance the paper's impact and readability.**Recommendation: Minor Revision** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **YES** |  |

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| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | **MENTIONED AS ABOVE** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **MENTIONED AS ABOVE** |  |
| **Are the references sufficient and recent? If you have****suggestions of additional references, please mention them in the review form.** | **MENTIONED AS ABOVE** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **MENTIONED AS ABOVE** |  |
| **Optional/General** comments | **MENTIONED AS ABOVE** |  |

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| **PART 2:** |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*NO |  |

**Reviewer Details:**

**Ozen Ozer, Kirklareli University, Turkey**