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| Journal Name: | [**Asian Research Journal of Mathematics**](https://journalarjom.com/index.php/ARJOM) |
| Manuscript Number: | **Ms\_ARJOM\_139007** |
| Title of the Manuscript: | **Fixed point results in generalized fuzzy metric space using compatible maps of type (K)** |
| Type of the Article | **Original** |

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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** (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.** | **This manuscript contributes to the advancement of fixed point theory in the context of generalized fuzzy metric spaces (M-FMS), an area of growing interest in mathematical analysis and its applications. By establishing common fixed point theorems using compatible maps of type (K), it extends and generalizes several existing results, providing a more unified framework. Such developments are crucial for solving nonlinear problems in fuzzy environments, which arise in disciplines like decision theory, control systems, and computer science. The inclusion of illustrative examples enhances the practical value of the theoretical results.** | In this paper we provide generalization of fixed point result using compatible map of type(K) on generalized fuzzy metric space. These theorems can be used different fields of pure and applied mathematics. Along with, fixed point theory results in non-linear analysis for the uniqueness and existence of solution differential-integral equations are widely use and helpful in engineering and sciences. |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Existence and Uniqueness of Fixed Point Results using Compatible Maps of Type (K) in Generalized Fuzzy Metric Spaces |
| 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. | **Yes** | In this manuscript, we state the notion compatible mappings of type (K) in generalized fuzzy metric spaces (*M*-FMS) and by considering compatible self-maps of type (K) we established some common fixed-point (FP) results in generalized fuzzy metric spaces. These results enhance some of the previous theorems in the literature. Additionally, some examples are also demonstrated. |
| Is the manuscript scientifically, correct? Please write here. | Yes | Yes |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes | Yes |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the article is well return | **Yes, The quality of language is suitable for scholarly communication.** |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with 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 details)* | Not Applicable |