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| Journal Name: | [Asian Journal of Pure and Applied Mathematics](https://www.jofmath.com/index.php/AJPAM) |
| Manuscript Number: | **Ms\_AJPAM\_1977** |
| Title of the Manuscript: | **Advanced iterative methods for fixed point existence in Non-Standard Metric Spaces with stability and optimization applications** |
| 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** (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.** | **Author introduced results about existence of fixed points and common fixed points in some generalization metric spaces, such as rectangular metric spaces, modular metric spaces and cyclic metric spaces with applications. The author should explain the meaning of sophisticated iterative algorithm. It is clear to me that it is Picard iterative sequence.****In general, the results are valuable and the applications are useful.****The author does not indicate the type of topology generated by these metric spaces: is it Hausdorff or not? Therefore, is the limit guaranteed for the convergent sequence?****Also, correct the printing.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Suggest title:: New fixed point theorems by some distances functions with stability and optimization applications** |  |
| **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.** | **It is best to clearly indicate the results in any space! And use the known name of the iterative sequence.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | See the notes above. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | It is necessary to add recent studies. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | yes |  |
| **Optional/General** comments |  |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s Feedback** (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)* |  |

**Reviewer Details:**

**Salwa Salman Abed, University of Baghdad, College of Education For Pure Science, Iraq**