**Response Letter for the Paper with ID: JAUIST-1128289**

We are grateful to the referees and editors for their comments and suggestions. The paper has been revised according to the comments. Moreover, we have added a Highlighted Paper showing the revisions.

|  | **Comments** | **Answers** |
| --- | --- | --- |
| **Reviewer 1** | The authors defined the concept of *ifpifs*-matrices to deal with uncertainties in decision making. The method provided has been designed successfully for significantly big data. The authors make a good argument for why the concept is essential. Methodology in the paper is good. The results are well written and correct mathematically. | Thank you for the comments. |
| This paper may be accepted subject to the following minor corrections.   1. Abbreviations can be italic but should not be in equation form. For example, "\emph{ifpifs}-matrices" is much better than "$ifpifs$-matrices". | We have made the necessary revisions. |
| 1. Add comparison of proposed methods with some existing decision-making approaches. | In Chapter 6, we already compare the proposed method EA20 with ten state-of-the-art methods. Therefore, we have made no revisions. |
| 1. The motivation should be highlighted in the abstract and conclusion. | We have rearranged the abstract and conclusion. |
| 1. Add input and output in the decision-making algorithm. Add more steps to explain your method. For example: In Step first add a set of objects, a set of attributes, set decision-makers (DMS). In Step last, find the optimal alternative. | We have further explained Step 1.  Construct two *ifpifs*-matrices and by considering the set of alternatives and the parameters set .  Moreover, we have added Step 4.  Choose the most suitable alternatives with respect to . |
| 1. The literature review should be improved in the light of recent related articles:   Classification of the monolithic columns produced in Troad and Mysia Region ancient granite quarries in Northwestern Anatolia via soft decision-making.  Linear Diophantine Fuzzy Set and its Applications towards Multi-Attribute Decision Making Problems.  Hesitant fuzzy soft topology and its applications to multi-attribute group decision-making.  DOI: 10.1007/s40314-019-0989-z.  Doi.org/10.1007/s40314-019-0843-3. | Due to the Journal Policy, we have added two of the suggested references.  @Article{eact19,  Author = "Engino\u{g}lu, S. and Ay, M. and \c{C}a\u{g}man, N. and Tolun, V.",  Title = "Classification of the monolithic columns produced in {T}road and {M}ysia {R}egion ancient granite quarries in {N}orthwestern {A}natolia via soft decision-making",  Journal = "Bilge Int J Sci and Tech Res",  Volume = "3",  Pages = "21--34",  Year = "2019"  }  @Article{rh19,  Author = "Riaz, M. and Hashmi, M. R.",  Title = "Linear {D}iophantine fuzzy set and its applications towards multi-attribute decision-making problems",  Journal = "J. Intell. Fuzzy Syst.",  Volume = "37",  Number = "4",  Pages = "5417--5439",  Year = "2019"  } |
| **Reviewer 2** | 1. Linguistic quality of the paper must be improved. | We have rechecked the paper carefully. |
| 1. Punctuations must be checked at the end of the equations/centered math expressions. | Due to the journal's template, we kept them as they were. |
| 1. References to recent works and its elaborations, especially in MCDMS is not adequate in the introduction. It must be added. A brief description of the advantages of Intuitionistic fuzzy parameterized intuitionistic fuzzy soft sets and matrices over earlier ones must be mentioned in the introduction. | We have described the advantages of *ifpifs*-sets and *ifpifs*-matrices and added details about MCDMS and the recent related works thereon. |
| 1. Paper seems technically correct even though it is a direct generalization of already existing concepts. | Thank you for the comments. |
| **Reviewer 3** | The paper is well-organized, and its topic is pretty interesting. I recommend this paper to be accepted in this journal. | Thank you for the comments. |