Response to Revision Opinions of the Manuscript

1. This paper uses a fuzzy comprehensive evaluation to selection of desulfurization process. Although authors conducted lots of works, the study is not clearly presented and little originality can be found.

   The technical content is poor. In the introduction, authors present a lot of information but in a chaotic expression.

   The fuzzy comprehensive evaluation, AHP method and Shannon entropy have been extensively investigated over the past years. More statements on the originality, characteristic or parametric variations for present study should be given to reflect the significance of proposed work.

   In view of this problem, the author has revised the introduction of the article to make the main idea of the introduction more clear and clear, and to clarify the purpose and innovation of the article. Detailed revisions can be found in the revised version.

2. The methodology subjects need to be clearly presented (there are no references). The authors need to do a better literature review regarding the used methodology. It is recommended to refer to the precursors of the approaches and theories. For example, page 7, Deng Xue et al. (2012) are not precursors of AHP method.

   In order to solve this problem, the author has made a detailed literature review on the methods of the article, and the citation has been revised and changed in many places. See the revised draft for details.

3. The Tables 2-3 are difficult to read due to the lack of borders for rows. The description of Fig. 2 in text does not correspond to the figure. The formulas should be revised (for example $1,2\times\times m ->1,2,\ldots,m \ldots$), lack of some formulas on page 8.

   In order to solve this problem, the author has adjusted and amended the line boundary of the table, revised the description of Figure 2, adjusted the format of the formula, and filled in the missing formula. The errors in the calculation results are corrected and supplemented. See the revised version for details.

4. The authors should revise all document. No spaces in many places, punctuation errors, some acronyms (BPR, ANP, EWM, IFCE,….) are not defined in the first use, also some minor mistakes should be corrected (YOU ->You, …)

   In view of this problem, the author has checked the full text and corrected some minor errors. The first abbreviations are defined and explained. See the revised version for details.

5. Review of the article „Similarity measures of q-rung orthopair fuzzy sets based on cosine function and their applications“ by Ping Wang, Jie Wang, Guiwu Wei and Cun Wei
In order to solve this problem, the author has revised the article and quoted the papers put forward by reviewers. See the revised version for details.