Dear Authors,

In my opinion the paper deals with an interesting topic. The paper is quite well written. However, there are some points that should be considered before publication to make easier the reading of the paper. You can find my specific comments in the attached file. Please try to simplify some sentences so that the readers will have an easy reading.

Best regards

Keywords:

“Evaluation Method (IFCE) : Selection of Desulfurization Process”. Please, delete a space between (IFCE) and “; “. Furthermore, revise the style of “; ” between (IFCE) and selection since it is in a different style with respect to the other characters present in this section.

Introduction:

- I suggest to change “Many scholars at home and abroad” into Many researchers…. 

- Page 1. Please, put the verb in the sentence “YOU Jingjing et al. will apply “ as simple past tense  

- Page 2. In “A large number of scholars have also discussed ……(Makaruk A et al.,2013.)” I suggest to punt the verbs in past simple.

Section 2.1:
Please, change the word “stipulate” in establish

Page 7 “(good) is [75, 85], (medium) is [65, 75], (qualified) is [55, 65], (poor) is [45, 55]; Finally, the median values {90, 80, 70, 60, 50} of each fraction are selected as representative values to assign the evaluation grade. “. Dear authors, please put a dot after [45,55] and before “Finally”.

4. Application case Validation

Section 4.1
Page 10 “and the whole sewage system will produce about 46,000 m³”. Please put m³ using superscript
Page 10 “in 2008, it is proposed to expand a set of biogas desulfurization equipment for treating 50000m³ per day”. Again put m³ using superscript

Section 4.2
Page 10 “Considering the company's own needs and conditions, wet desulfurization is proposed. Combination desulfurization method of desulfurization by method and biological desulfurization.” Please, revise this sentence.

Page 11. Please revise the following sentence “Not the best choice, the three schemes have their own advantages and disadvantages”.

Section 4.5
Page 13 “By comparing the evaluation values of the three schemes, according to the evaluation values, we can see that the comprehensive performance of scheme 3 is the best, so we should choose scheme 3 to achieve the best desulfurization effect”. Please, try to avoid the repetition of the word “evaluation”

Section 5 “It can be seen from this that the results obtained by using different methods to determine the weight are different”. I suggest to starts the sentence as follows: The picture shows that the results…..

Page 14 Please revise the following paragraph “The results obtained by using AHP analytic hierarchy process to determine subjective weight and using entropy weight method to determine objective weight only show that the comprehensive performance of scheme 2 is better, but the combined weight calculated by using AHP analytic hierarchy process and entropy weight method to fit shows that the comprehensive performance of scheme 3 is better. Excellent remarkably. Generally speaking, the results of the IFCE are more credible and more suitable for the selection and evaluation of desulfurization methods. “ In my opinion, it is too long and difficult to read.

Page 15 “(1) In the process of desulfurization process evaluation, some secondary indicators belong to the first-level indicators of cost and environment”. Please check this sentence.