Observations in the Introduction:

It seems to me that the introduction focuses on analyzing the difficulty of the research objective and how some proposed models have contributed to the solution of the problem. However, although it is important to carry out this analysis, we should take into account the following:

a) Establish a general context of the problem: What is its importance in the problem area you want to solve? Why is your study relevant today?

b) Review of the literature: A good investigation of the literature has been carried out, however, you could mention what are the observed problems that motivate your research, what are the problems that you propose to solve with your project and what is your contribution. It is important to relate your work to previous work and establish its contribution.

c) Concisely formulate the problem you are addressing and establish the reasons for your research. What do you want to solve?

d) Define your objectives: What models do you want to investigate? What problems do you want to solve? What are the results you hope to obtain?

e) Describe in a general way what your proposed solution is, not specifically, but descriptively. This helps to understand what is proposed in the research project.

f) You can include a brief description of the content of the document. This makes it easier for the reader to follow the structure.

2. Definition of acronyms and variables:

Try to define all the acronyms used. For example, you mention "CAE" without first defining what it means. Also, when you use a variable in a formula, specify what it represents. For example, in the formula "$x \in D$", it is important to define what "D" is, which makes it easier to follow your explanation.

3. Introduction to Chapter 2:

Between chapter 2 and 2.1, it should be established what chapter 2 provides. A brief description would be useful. For example: "In the following chapter, the concepts necessary to understand the document are developed. The theoretical foundations and conceptual tools that will serve as a basis for subsequent analysis are presented." A short paragraph like this gives the reader a clear idea of what they will find in the next chapter.

4. PIM Description:

In chapter 2.1, it would be important to make a brief description of what Plastic Injection Modeling (PIM) is, highlighting its relevance and contributions in the context of the

problem addressed. It could be explained what PIM is, its role in the design and production process of plastic parts by injection, as well as the problems it helps to solve in this specific area. In addition, it can be highlighted why it is important to focus on the proposed variables, explaining how they relate to the objectives of the study and how they contribute to the solution of the problem posed. This description will provide the reader with a clear understanding of the importance of the proposed approach and how it relates to the research topic.

5. Order and clarity:

a) Correctly order the document to avoid displacement.

b) Improve the sharpness of the images for better viewing.

6. Maintain structure and definitions:

c) Maintain consistency in the use of "Figure" or "Fig" to refer to illustrations.

d) Place the illustrations after the definition of variables to maintain the reading flow.

7. Explicit description of the MOP:

a) Before presenting the equation in Chapter 2.2, provide a clear description of what a MOP (Multi-Objective Optimization Problem) is and why it is important to understand it.

b) Be explicit in the explanation of the equation and its variables to facilitate understanding.

8. Describe in detail the dominance characteristic applied to the model so that the reader understands its importance in the context of the problem addressed. Also the coefficient of increase, and all the important concepts
9. Review definitions and variables:
    - Revise the formulation in Definition 1 to correct the discrepancy between "<p" and "≤p" and provide a clear explanation.
    - Define the variables explicitly so that the reader understands their meaning and relevance in the context of the document.
10. Improved description in Chapter 2.3:
11. Provide context on the topic addressed in Chapter 2.3 and improve the description of the equations to facilitate their understanding.
12. Clarification of Chapter 2:
    - Clarify whether Chapter 2 is a theoretical framework or a solution methodology and provide references to previously presented models if this is the case.
    - If it is a theoretical framework, include an additional chapter that details the methodology used, the proposals and their integration.
13. Explanation of the proposed case and results:

14. Clarify the methodology used, the contribution of the work and the conditions of the experiment in the proposed case.
15. In the results, clearly explain the advantage of the proposed model and its contribution to the area of knowledge.
16. The algorithm is not very explicit and it is not possible to reproduce it with the information provided
17. Clear and precise conclusion:
    - In the conclusions, summarize the analysis of results and explain how the proposal addresses a multi-objective optimization problem and contributes to the development of the knowledge area.
    - It is not understood what the proposed decision-making model is.
    - You say that four objectives have the ability to significantly affect the performance of the PIM process. Where do you demonstrate this?
    - You say that the applied strategy iteratively selects candidate solutions from the data set based on user preferences. Because it is important,
    - The proposed approach can serve as a tool for multi-objective optimization of the plastic injection molding process. Why is it better than other models that do the same thing?
    - This approach has the potential to be extended to handle movements within the decision variable space. Where do you demonstrate this?
    - In general, the model seems to provide significant results, but it must be presented correctly, making comparisons with other similar models could help observe these advances.
18. In the document, I do not see what the objective of this study is, so although at the end it talks about significant advances and proposals, it is not observed how these meet the objective of the document.

The structure of the article does not allow reading in a fluid and understandable manner.

This is a small example of the structure of an article

1. Title: It must be clear, concise and descriptive of the content of the article.

2. Summary or Abstract: A brief summary that presents the topic, objectives, methodology and conclusions of the article.

3. Introduction:

    o Contextualization of the topic.

- Justification of the relevance of the topic.
- Objectives of the article.
- Brief description of the structure of the article.

4. Literature review or theoretical framework:
    - Contextualization of the topic in relation to previous research.
    - Review of relevant studies and theories.
    - Identification of gaps in existing research.
5. Methodology:
    - Detailed description of the methods used in the research.
    - Justification of the choice of methods.
    - Description of participants, materials and procedures.
6. Results:
    - Presentation of the results obtained in the research.
    - Use of tables, graphs or other visual tools to illustrate findings.
    - Interpretation of the results in a clear and objective manner.
7. Conclusions:
    - Summary of the main findings of the study.
    - Practical and theoretical implications of the results.
    - Recommendations for future research.
8. Bibliographic references:
    - List of all sources cited in the article, following a specific citation format