The Title Should Be 8 - 15 Words, Title-Cased, Fully-Justified, With a Font Size of 15

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Abstract

The abstract must be written in English, containing a single-spaced paragraph of between 200 and 250 words. It should be concise and comprehensible, encompassing five key components: 1) the research's background and objectives, 2) the methodology employed, 3) the obtained results, 4) the drawn conclusion, and 5) the research's implications. Avoid using uncommon abbreviations and refrain from including citations. Additionally, nonstandard or unusual abbreviations should be avoided; however, if they are important, they should be defined at their first mention in the abstract itself.

Keywords: Keyword 1; Keyword 2; Keyword 3; Keyword 4; Keyword 5

1. INTRODUCTION

The introduction plays a vital role in engaging readers and providing essential context for the study. Therefore, this section must provide adequate research background, a clear context of the problem based on a literature review. State the aim of the work and emphasize the originality of the research (sophistication). Citations of more than one article/reference cited must be written sequentially based on year of publication (Flores et al., 2024; Fredi & Dorigato, 2021; Guo et al., 2024; Javeed et al., 2024; Mardani et al., 2024; Miao et al., 2023).

It is important to remember that the content of this section should be limited to no more than three paragraphs, with each paragraph flowing logically into the next to ensure that the reader gains a clear understanding of the context, purpose and significance of the research.

2. LITERATURE REVIEW

This section serves as a comprehensive examination of existing scholarly literature relevant to the research topic. It should help readers develop a thorough understanding of the current state of knowledge in the field.

Key elements to include in this section typically encompass the synthesis or critical analysis of previous studies, identification of knowledge gaps, and theoretical framework relevant to the study.

In synthesizing previous studies, authors may do so by synthesizing and summarizing the findings of relevant studies as well as identifying key themes, trends, and debates within the field. Furthermore, authors may need to critically evaluate the methodologies, theoretical frameworks, and findings of previous studies and assess their strengths, weaknesses, and any limitations that their current study aims to address. It is also important to identify specific gaps or areas where further research is needed, such as unanswered questions, unresolved debates, or emerging topics that have not been fully explored.

In discussing any theoretical frameworks or conceptual models underpinning the literature, it is important to explain how they inform the study in question and provide a foundation for the hypotheses of the study or research questions.

Next, authors are encouraged to clearly articulate the relevance of the reviewed literature to their own study. This may include explaining how the literature reviewed informs the objective(s), methodology, or theoretical approach of their own study, and provide justification as to why it is important to build upon existing knowledge from the literature reviewed.

Finally, it is important to conclude this section by clearly stating the research question(s) that the study aims to answer and, if applicable, presenting the hypothesis(es) of the study.

3. METHOD

In this section, provide sufficient detail in the methods used to enable job replication. If the method used has been previously published, indicate the method by reference, and describe only relevant modifications.

The formulas listed must be numbered sequentially throughout the text such as Equation 1, Equation 2, and so on. In the event that the derivation of a formula has been abbreviated, it will be very helpful for reviewers if the derivation is presented on a separate sheet (not for publication). All equations must be referred to in the text following their respective numbers.

Formula should be mentioned in text, centred and numbered (see equation 1).

$$f = \frac{1}{2\pi\sqrt{LC}} \tag{1}$$

where L is the length of river, C is the coefficient of runoff (see equation 2).

$$P_{Total,Gen} = \sum_{j=1}^{m} P_{Gen_j} \tag{2}$$

where P_{Gen} is the generated precipitation.

The formatting for theorem-type environments, including propositions, lemmas, corollaries, can be expressed in the following manner:

Theorem 1. Theorems, propositions, lemmas, etc. use the same formatting, but should be numbered separately, so a document may contain Theorem 1, Remark 1 and Lemma 1.

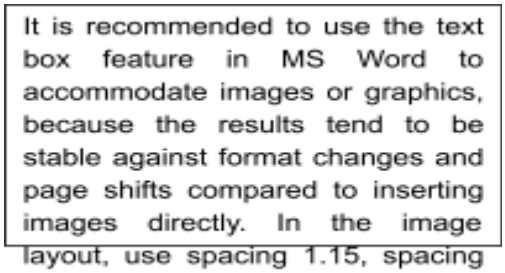
The text continues here. Proofs must be formatted as follows:

Proof of Theorem 1. Please finish a proof with the following symbol. □

Place the table label above the table, while the image label is at the bottom of the table. Write down certain tables specifically, for example Table 1., when referring to a table. The table format is left aligned while the images are centered. An example of image layout is presented in Figure 1. Then add cross references to each table and image. Tables and images are created from the application or format provided, not from scans and screenshots. Examples of writing tables and image captions are as follows:

Table 1. Example of table description

Head of table	Table column header	
	Column sub-head	Column sub-head
1.	Fill in the table	Fill in the table
2.	Fill in the table	Fill in the table

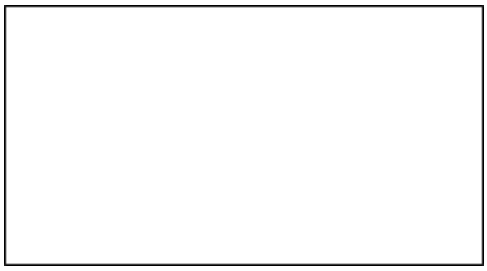


4. RESULTS and DISCUSSION

Research results must be presented clearly and concisely, focusing on the most important or significant research findings. The discussions that occur must be able to explore the significance of the research results. Can provide adequate discussion or comparison between current results and similar findings in previously published articles to demonstrate the position of this research (if available).

Please submit your images either embedded in your Word file or in their original format (not embedded, as supporting files during online submission). For printing purposes,

vector format is preferred. For photos, etc., a resolution of 300 dpi must be provided. Make sure all text on the image is readable with a font size ≥ 10pt. Images and captions should be numbered and centered. The experimental results are presented in Figure 2.



5. CONCLUSION

This final section serves as a concise summary of the study's main findings and their broader implications. Authors may begin by restating their research questions or objectives, reaffirming their significance within the context of the research topic. Next, they may summarize the key findings presented in the Results/Findings section and highlight any noteworthy patterns, trends, or relationships observed in the data. Then, they may discuss the implications of their own study for theory, practice, or future research. Additionally, authors may reflect on limitations of their own study and potential areas for improvement. Finally, offer a closing statement that reinforces the importance of the study and leaves the reader with a clear understanding of its significance.

Acknowledgments

If necessary, include a thank you to individuals or institutions that provided assistance and assistance during the research, such as providing grants, providing laboratory facilities, assisting with writing, or correcting articles here. For grants, please provide the grant number and year received.

References

Please provide accessible reference sources and ensure that all works cited in the text are included in the reference list and that the dates and authors mentioned in the text match those in the reference list. For writing references and in-text citations, J-STEM adopts the American Psychological Association 7th Edition style. Writers can use various software to make the process easier (It is recommended to use Mendeley). References must be more than 35 references.

Flores, R., Houssainy, S., Wang, W., Cu, K. N., Nie, X., Woolfolk, N., Polly, B., Faramarzi, R., Maclay, J., Lee, J., & Brouwer, J. (2024). Addressing building related energy burden, air pollution, and carbon emissions of a low-income community in Southern California. *Advances in Applied Energy*, 14(October 2023), 100169. https://doi.org/10.1016/j.adapen.2024.100169

Fredi, G., & Dorigato, A. (2021). Recycling of bioplastic waste: A review. *Advanced Industrial and Engineering Polymer Research*, 4(3), 159–177. https://doi.org/10.1016/j.aiepr.2021.06.006

Guo, C., Shi, S., Yu, J., Zhang, S., Dai, H., Sun, X., Zhang, Z., & Chen, X. (2024). Addressing the strength-corrosion tradeoff in 316 L stainless steel by introducing cellular ferrite via directed energy deposition. *Additive Manufacturing*, 86(January), 104201. https://doi.org/10.1016/j.addma.2024.104201

Javeed, D., Shahid, M., Adil, M., & Kumar, P. (2024). Ad Hoc Networks A federated learning-based zero trust intrusion detection system for Internet of Things. *Ad Hoc Networks*, 162(December 2023), 103540. https://doi.org/10.1016/j.adhoc.2024.103540

Mardani, A., Arazi Kalat, S., & Azimi, A. (2024). Experimental investigation of the effects of inlet high-swirl air preheating and dilution on kerosene flame. *Applications in Energy and Combustion Science*, 18(April), 100262. https://doi.org/10.1016/j.jaecs.2024.100262

Miao, L., Huo, Z. M., Rong, Y., Mu, H. W., & Sun, Z. X. (2023). IoT adaptive threshold energy management algorithm based on energy harvesting. *Ad Hoc Networks*, 149(June), 103241. https://doi.org/10.1016/j.adhoc.2023.103241

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