

Review Form 1.7

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_97349
Title of the Manuscript:	On the interaction of buoyant magnetic structures with convective plumes
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaliaarj.com/index.php/IAARJ/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes the manuscript is important for scientific community.</p> <p>2. Yes its suitable.</p> <p>3. No, it needs modification The Abstract should be updated with the following:</p> <ul style="list-style-type: none"> ➤ Description the problem and the important of it. ➤ The methods which you used to solve the problem. ➤ The important of the results. ➤ Fruitful outcomes of the problem. ➤ Short conclusions from the results. ➤ The novelty of the work. ➤ Please include specific and quantitative results in your Abstract. <p>4. No, the author should include the method you used.</p> <p>5. Yes its correct</p> <p>6. Yes but, I would suggest that the author should add few most relevant papers deals with considered problem and possibly from the publication, during the last 2 years For instance the following papers Hirpho, M., & Ibrahim, W. (2022). Modeling and simulation of hybrid casson nanofluid mixed convection in a partly heated trapezoidal enclosure. <i>International Journal of Thermofluids</i>, 100166. † doi:https://doi.org/10.1016/j.ijft.2022.100166 Hirpho, M. (2021). Mixed convection of casson fluid in a differentially heated bottom wavy wall. <i>Heliyon</i>, 7(6), e07361.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>No, English language must be improved.</p>	
<p>Optional/General comments</p>	<p>1. It is recommended the authors try to explain the novelty of the paper as clear as possible.</p> <p>2. An updated and complete literature review should be conducted and should appear as part of the Introduction, while bearing in mind the work's relevance to this Journal and taking into account the scope and readership of the journal</p> <p>3. Give the original reference for the governing equations of the problem. The reference you used is not correct.</p> <p>4. The validation and verification of the method is not included. Please explain about validation and verification of your work?</p> <p>5. The introduction section is rewritten and modified with latest articles</p> <p>6. The discussion part needs to add physical meaning.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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