Review Form 1.7

Journal Name:	**Asian Journal of Physical and Chemical Sciences**
Manuscript Number:	**Ms_AJOPACS_96367**
Title of the Manuscript:	**Numerical Study of Natural Solutal Convection in an Isoscele Trapezoidal Cavity**
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:

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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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	The authors presented a Numerical Study of Natural Solutal Convection in an Isoscele Trapezoidal Cavity. The paper can be accepted for publication after addressing the following comments: **Some quantitative results are to be added to the abstract.** **The dimensional equations are to be presented.** **The numerical method is to be detailed.** **What is the used numerical method?** **A figure presenting the used mesh is to be added.** **What is** α that appears in Tables 1 and 2? It should be defined. The authors used the stream function-vorticity formalism to establish the governing equations. Thus they have to use the term ''Stream function'' instead of ''streamline'' The resolution of Fig 2 is very low. The paper is to be checked against misprints. Iso-values of stream functions, isotherms and iso-humidity are to be added. What is ''F'' mentioned in Figs 6 and 7? To be defined. The following papers may be added to the literature review: https://doi.org/10.1080/17455030.2022.2100001 https://doi.org/10.3390/math10122115	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The paper is to be checked against misprint and grammatical mistakes	
Optional/General comments		

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

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Reviewer Details:

Name:	**Lioua Kolsi**
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