Review Form 1.7

Journal Name:	**Asian Journal of Physical and Chemical Sciences**
Manuscript Number:	**Ms_AJOPACS_96579**
Title of the Manuscript:	**Influence of thickness of the porous layer on thin film condensation in forced convection in a canal whose walls are covered with a porous material: Determination of lengths of entry**
Type of the 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.
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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 manuscript is important for the scientific community. The title of the article is suitable The abstract of the article is comprehensive Subsections and structure of the manuscript appropriate The manuscript is scientifically correct The references are sufficient and recent **Additional Comments** The paper employed Darcy-Brinkman-Forchheimer (DBF) equations in the porous medium in conjunction with hydrodynamic and thermal boundary layers in pure liquid to show the effect of increasing the thickness of the porous medium on the longitudinal velocity, temperature, and entry level. Thus, the longitudinal velocity decreased, whereas temperature, and entry level increased with an increase in the thickness of the porous medium. Good work, however, lacks experiments, which guarantee true validation. The following comments should be addressed by the authors. 1. Fig 1 Geometry of the physical model and coordinate system, correct the label (2) Film liquide. to (2) Film liquid. 2. The numerical models are lacking, they could be developed from the dimensionless models in Eqs.(1-42). 3. The computational domain should be described in a table, with the step size, stability criterion, convergence criteria, etc. 4. It is wrong to use a simulated model (Ndiaye et al, 2014) to validate another prototype model. True validation of a model is based on empirical measurement of a similar variable simulated using any choice statistical error method, e.g. root mean square error, RMSE. 5. Thus, this paper is lacking measurements or experiments. 6. The authors should explain the reason(s) dimensionless velocity and temperature gradients are low in the porous medium, but high in the liquid medium. 7. Also, explain the phenomenon of increasing thickness of the porous medium on dimensionless velocity and temperature in regards to the dimensionless model describing each of the dimensionless variable.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**		
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)*	

Reviewer Details:

Name:	**Stephen Ndubuisi Nnamchi**
Department, University & Country	**Kampala International University, Uganda**