

Review Form 3

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_121314
Title of the Manuscript:	Modeling heat and mass transfer in laminar forced convection in a vertical channel: influence of Reynolds number
Type of the Article	Manuscript

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	1. The impact of Reynolds number on heat and mass transmission was the primary area of interest. 2. The present work examines a global visualization of the flow through iso-values because the literature's results indicate that the impact of Reynolds number on heat and mass transfer has not been thoroughly studied	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title is suitable	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract of the article is comprehensive but as of my knowledge better to include more article in abstract session.	
Are subsections and structure of the manuscript appropriate?	Yes, subsections and structure of the manuscript appropriate.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	Here, the authors performed a computational analysis of coupled heat and mass transfer in a vertical duct with wet walls, where radiation and natural convection control the heat exchange with the external environment. The Navier-Stokes equations and the flow conservation equation were used to represent forced laminar flow. A thorough analysis of the impact of Reynolds number on heat and mass transmission has been conducted. The findings show that mass transport and heat generation both increase with Reynolds number. The leading edge of the channel has the biggest growth. Throughout the channel, latent heat transport continues to be predominant.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient but all the references except (Ref:23) are old articles, so that try to keep latest versions.	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, I agreed quality of English is 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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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Reviewer Details:

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