



SDI Review Form 1.6

Journal Name:	Asian Journal of Research and Review in Physics
Manuscript Number:	Ms_AJR2P_42678
Title of the Manuscript:	Transient MHD Natural Convective Flow Past a Heated Vertical Non-porous Surface with Thermal Radiation and Double-Diffusion Effects.
Type of the Article	Review Paper

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Editorial Comments:	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	The work is topical and concerns the thermal field. Many applications can use the results developed in this work: renewable energies, ... The work is very clear and interesting. To value the results obtained, the authors must: - Improve the text and deepen the discussions of paragraphs 2 and 3, - Page 2, equations 1 to 30, specify the contribution of the authors in this field, - Improve the scales of the figures: 3,5,8,9,10,11,13,14,15 - Page 3, in the results section, the authors must analyze and interpret the results obtained with regard to the literary, - Discuss the precision of the calculations (Temperature, ...), - Discuss the experimental validation and the applications that require the precision of these calculations, - add other recent references.	The comments raised on the manuscript are responded to sequentially as below: 1.) The discussion of Paragraph 2 and 3 of the manuscript has been deepened accordingly. Check 2.) Our motivation for this work is stated in lines 170 to 172. The reference [7] is our previous work upon which this paper is based. We considered these combined effects of cross-diffusion, thermal radiation, MHD and others, when the suction is a positive constant, and in which case, the plate is porous. Our contribution in this work extended [7] by examining the flow behaviour when suction is Zero (The plate is impermeable). 3.) The scales have been improved upon, and the graphs re-plotted. 4.) (a) We are in applied Mathematics/Theoretical Physics. We model problems, solve the evolving differential equations, and give the effects of the parameters on the flow situation. This can be seen in the existing works in this domain, we do not have the literary interpretations of the results. Your assistance will be appreciated. (b) We do not know any experimental result in this domain of study to validate our choice data precision. Our choice of parameter values is based on what we see in works in this domain, where parameter values are chosen within the range of values less than 1 to values greater than 1. 5.) Five (5) references have been added to improve the Literature. Check the manuscript.
Minor REVISION comments	/	
Optional/General comments	/	