



SDI Review Form 1.6

Journal Name:	International Astronomy and Astrophysics Research Journal
Manuscript Number:	Ms_IAARJ_46301
Title of the Manuscript:	Heat Transfer of Mixed Convection Electroconductivity Flow of Copper Nanofluid with Different Shapes in a Porous Micro Channel Provoked by Radiation and First Order Chemical Reaction
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:
(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<p>This paper investigate the theoretical description of different shapes of copper nanoparticle in water based fluid. Analytical solution of the governing hydrodynamic equations and graphs plotted. This manuscript shows that the heat transfer is rapid due to the presence of radiation. Increase in radiation and chemical reaction also led to a corresponding increase in the temperature and concentration profiles of the nanofluid respectively. The effect of Nusselt number, Sherwood number and skin friction on the nanofluid is also determined.</p> <p>This can be published, but need the following revision:</p> <p>1: The paper is well organized, even if there are many English language mistakes and some equations are not well written, therefore the comprehension of the text results quite difficult in some parts. The writing of this manuscript should be modified carefully. There are many typing errors: capital and small letter, math symbols and model parameters.</p> <p>2: The abstract and introduction should be rewritten to show the main results in abstract and the advance in this field.</p> <p>3: Most of the references in introduction section are outdated and don't need to put in the introduction section. The author advised to include the following most recent articles on in introduction section which make it better in reading for authors.</p> <p>a: Appl. Sci. 2018, 8, 0; doi:10.3390/app8040000</p> <p>b: Squeezing Nanofluid Flow between Two Parallel Plates under the Influence of MHD and Thermal Radiation. Asian Research Journal of Mathematics 10(1): 1-20, 2018; Article no.ARJOM.42092 ISSN: 2456-477X.</p> <p>c: A Bioconvection Model for Squeezing Flow between Parallel Plates Containing Gyrotactic Microorganisms with Impact of Thermal Radiation and Heat Generation/Absorption. 27(4): 1-22, 2018; Article no.JAMCS.41767 ISSN: 2456-9968.</p> <p>d: Effect of Thermal Radiation on Burgers Nano Fluid Flow Between Two Parallel Plates with Porous Medium in the Presence of Gyrotactic Micro-Organisms and Heat Generation /Absorption. Volume 8, Number 5, October 2018, pp. 957-969(13).</p> <p>e: Entropy Generation on Nanofluid Thin Film Flow of Eyring–Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. Entropy 2018, 20, 412.</p> <p>4: Revised your concluding remarks.</p>	<p>Corrections effected</p> <p>Rewritten</p> <p>Taken</p> <p>Taken</p> <p>Taken</p> <p>Taken</p> <p>Full article not seen (Researchgate)</p> <p>Noted</p> <p>Rewritten</p>
Minor REVISION comments		
Optional/General comments		



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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>	