



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_27869
Title of the Manuscript:	Natural Convective Mass Transfer MHD Flow of Chemically Reactive Micropolar Fluid past a Vertical Porous Plate
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>Author(s) investigated the effects of magnetic field on a free convective mass transfer flow of chemically reactive micropolar fluid over a vertical porous plate. Analytical solution of the dimensionless problem is obtained using perturbation technique.</p> <p>#1, Line 7, Abstract, author(s) stated that "<i>Analytical solution of the problem is calculated by the use of perturbation technique.</i>" REPLY: Reconstruct. It is somehow to say that analytical solution is calculated.</p> <p>#2, Line 7, A sentence on the novelty of this manuscript should be added to the abstract section.</p> <p>#3, Line 7, Abstract, author(s) stated that "<i>Finally, a conclusion is listed here.</i>" REPLY: At least two different conclusions of this research should be added to abstract section.</p> <p>#4. Line 22 to 25, author(s) stated that "<i>The authors (Ferraro and Plumpton, 1996; Cramer and Pai, 1973; Raptis, 2011; Samiulhaqet al., 2012 and Seth et al., 2015) are notable for major contribution about MHD free convection flows and their significant application in the field of stellar and planetary magnetospheres, aeronautics, chemical engineering, electronics, and so on.</i>" REPLY: Reconstruct. Take note of underlined phase.</p>	<p>I have changed all lines at abstract which is mentioned.</p> <p>I have changed introduction section.</p> <p>I have improved all equations number.</p> <p>According to template it is CONCLUSION.</p> <p>I have decorated result and discussion.</p>



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	<p>#5. Line 56, author(s) should add at least two sentences on the aim and objectives of this manuscript. It is better to end introduction section with fact(s) like that.</p> <p>#6, Equation numbering of this manuscript is very bad. Authors should add enough space between equation and equation number.</p> <ul style="list-style-type: none"> i. Line 76, add Eq. 1 ii. Line 78, add Eq. 2 iii. Update Eq. number of Line 95 – 100. iv. Change Eq. number of line 108 – 111. <p>#7, Line 173, author(s) stated that “...are displayed in <i>Figures</i>.” REPLY: What equation?</p> <p>#8, All the profiles are truncated. This is wrong. Inview of this, author should change the \eta span from [0,2] to [0,8]. The main reason is to obtain profiles which asymptotically satisfy free stream conditions.</p> <p># Author(s) should update the introduction section with the following published articles on MHD flow:</p> <p>Unequal diffusivities case of homogeneous heterogeneous reactions within viscoelastic fluid flow in the presence of induced magnetic-field and nonlinear thermal radiation, Alexandria Engineering Journal, 2016, in-press. oi:10.1016/j.aej.2016.01.018.</p> <p>Bioconvection in MHD nanofluid flow with nonlinear thermal radiation and quartic autocatalysis chemical reaction past an upper surface of a paraboloid of revolution, International Journal of Thermal Sciences</p>	
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	<p>109, 2016, 159 - 171. doi:10.1016/j.ijthermalsci.2016.06.003</p> <p>Thermophoresis and Brownian motion effects on MHD bioconvection of nanofluid with nonlinear thermal radiation and quartic chemical reaction past an upper horizontal surface of a paraboloid of revolution, Journal of Molecular liquids 221, 2016, 733 - 743. doi:10.1016/j.molliq.2016.06.047</p> <p># Line 189, Page 8: Change "CONCLUTION" to "Conclusion"</p> <p># Line 199, Page 8: author(s) stated that "The velocity profile go up with Magnetic force number." REPLY: Reconstruct</p>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		