



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_41938
Title of the Manuscript:	Heat and Mass Transfer of a Chemically Reacting MHD Micropolar Fluid Flow over an Exponential Stretching Sheet with Slip Effects
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)
<b>Compulsory</b> REVISION comments	<p>1. More Physical interpretation is required.</p> <p>2. A list of symbols with dimensions would be helpful. Also, a part of acknowledge</p> <p>3. Is it possible this work to do in experimentally?</p> <p>4. More discussions about MHD, Magnetic field, Stretching sheet should be appear in introduction section.</p> <p>5. Recent references should be added.</p> <p>6. In the results and discussion Skin friction, local Nusselt number, local Sherwood number are obtained in the tabular form but more physical meanings are welcomed. Also, what is the difference between local Nusselt number and Nusselt number, local Sherwood number and Sherwood number?</p> <p>7. Recent paper on MHD flows need to be discussed in the literature review, You can use the following references.</p> <p>i) <i>Journal of Advances in Mathematics and Computer Science</i>, Vol. 23(2), 1-16.</p> <p>ii) <i>Journal of Nanofluids</i>, Vol. 7, pp. 891-901.</p> <p>iii) Effects of Hall current and chemical reaction on MHD unsteady heat and mass transfer of Casson nanofluid flow through a vertical plate", <i>Journal of Heat Transfer</i>, (In press).</p>	<p>A list of symbols with dimensions have been incorporated after the conclusion.</p> <p>Yes, the work can be done experimentally. As we know that theoretical information is needed and useful for any meaningful experiment.</p> <p>More discussions about MHD, Magnetic field and stretching sheet have been added in the introduction. (as indicated in the introduction).</p> <p>Some of the suggested references have been added and indicated in the introduction.</p>
<b>Minor</b> REVISION comments	<p>1. The motivation of the paper is not clear. The authors should mention the applications of their work and highlighting the knowledge gap.</p> <p>2. Should add the real applications of this work in introduction area.</p> <p>3. Try to add physical significance of different parameter</p>	<p>The motivation of this present work is to investigate the problem of heat and mass transfer of non-Newtonian Micropolar fluid over an exponentially stretching sheet with higher order chemical reaction and slip conditions. The related problems in the literature have been done on Newtonian fluid. However, in this problem the fluid considered is non-Newtonian micropolar fluid which has important applications as described in the introduction. Also, as stated in the introduction, the stretching of sheets may be not necessarily being linear type hence we studied an exponentially stretching case. The applications are also stated. In the introductory part of the work.</p>
<b>Optional/General</b> comments	<p>All graphs are very low quality. Increase the quality of the all graphs.</p>	<p>The quality of the graphs has been improved as suggested. Thanks.</p>