



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	2014_PSIJ_9074
Title of the Manuscript:	<b>MHD Buoyancy Flows of Cu, Al<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub> nanofluid near Stagnation-point on a Vertical Plate with Heat Generation</b>
Type of the Article	<b>Original Research Article</b>

**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>This work discusses the magnetohydrodynamic flow of nanofluid past a vertical flat plate near a stagnation point. Different types of nanoparticles are utilized. Further, the effects of heat generation are taken into account. Numerical solutions are constructed to examine the effects of physical parameters on velocity, temperature and local Nusselt number. The paper is written well. A comparison study validated the present results. Overall the paper is acceptable but there are some flaws in the introduction. I accept this submission after the following improvements in the introduction.</p> <ol style="list-style-type: none"> <li>1. The author incorporated the importance of MHD but not provide the suitable references from the literature. The following references should be included regarding MHD. International Journal of Chemical Reactor Engineering 10 (2012) A8, Plos One 8 (2013) e68139, Brazilian Journal of Chemical Engineering 30 (2013) 897-908, Comput. Fluids 70 (2012) 53-58.</li> </ol>	<p>As the instruction of Reviewer we have include very useful and suitable references regarding MHD [2-5] and the heat generation effects [8-10] as follows:</p> <ol style="list-style-type: none"> <li>2. Hayat T, Shehzady SA, Mustafaz M and Hendi A. MHD Flow of an Oldroyd-B Fluid through a Porous Channel. International Journal of Chemical Reactor Engineering. 2012; 10: A8.</li> <li>3. Shehzad SA, Ahmad A and Hayat T. Hydromagnetic Steady Flow of Maxwell Fluid over a Bidirectional Stretching Surface with Prescribed Surface Temperature and Prescribed Surface Heat Flux. Plos One. 2013; 8: e68139.</li> <li>4. Shehzad SA, Alsaedi A and Hayat T. Influence of Thermophoresis and Joule Heating on The Radiative Flow of Jeffrey Fluid With Mixed Convection. Brazilian Journal of Chemical Engineering. 2013; 30: 897-908.</li> </ol>



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	<p>2. The following studies should be described in the introduction regarding the heat generation effects. Plos One 8 (2013) e78240, International Journal of Numerical Methods for Heat &amp; Fluid Flow, 23 (2013) 1225-1241, Heat Transfer Research 44 (2013) 687-702.</p>	<p>5. Turkyilmazoglu M. Dual and triple solutions for MHD slip flow of non-Newtonian fluid over a shrinking surface. Comput. Fluids. 2012; 70: 53-58.</p> <p>8. Shehzad SA, Alsaedi A, Hayat T and Alhuthali MS. Three-Dimensional Flow of an Oldroyd-B Fluid with Variable Thermal Conductivity and Heat Generation/Absorption. Plos One. 2013; 8: e78240.</p> <p>9. Shehzad SA, Qasim M, Hayat T, Sajid M, Obaidat S. Boundary layer flow of Maxwell fluid with power law heat flux and heat source. International Journal of Numerical Methods for Heat &amp; Fluid Flow. 2013; 23(7): 1225 – 1241.</p> <p>10. Shehzad SA. MHD mixed convection flow of thixotropic fluid with thermal radiation. Heat Transfer Research. 2013; 44: 687-702.</p>
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<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		