SCIENCEDOMAIN *international*
www.sciencedomain.org

SDI Review Form 1.6

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**2014_PSIJ_8964**
Title of the Manuscript:	**Effects of Suction and Thermal Radiation on Heat transfer in a Third Grade Fluid over a Vertical 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)

SDI Review Form 1.6

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	i. The citation should be consistent throughout the paper. First line of page 3 should use the 'author name (year)' system ii. Check fourth line of page 3: … with Richardson **is** extrapolation. iii. The verb "is" should be was in line 8. …. accuracy is remarkable iv. 6th line of 2nd paragraph of page 3 should be recast. "…expressions for the non-linear momentum **reaction the** energy equation were solved." v. On page 4, line 14, … then provided Bidin and Nazar (2009). Anand Rao et al. (2012) studied… Insert "by" or "," between provided and Bidin. Citation should read Anand et al. (2012) or Rao et al. (2012) vi. Other research works that have been carried out on this are those … Insert "subject" or "area" between "…..this are"… vii. On page 5. "… Crank-Nicolson finite different scheme" should read "…Crank-Nicolson finite difference scheme" viii. "The present problem with radiative heat flux has not been considered in the scientific literature", The author should be fair to other researchers by adding the phrase "to the best knowledge of the author(s)". ix. Equation (4): remove the "," between the symbol tau and the subscript i x. The boundary condition on page 9 should rather read: $T' \to T_\infty$ when $y \to \infty$ xi. $\nu = \mu / \rho$ should be defined as "kinematic viscosity" and not "kinematic coefficient of viscosity". xii. There is something fundamentally wrong with the transformed equations (9) and	

SDI Review Form 1.6

	(10). They are supposed to be dimensionless arising from the dimensionless variables but that is not the case. Author(s) need to rework on the models. **xiii.** The author(s) have cited a good number of relevant literatures. They however failed to validate their results with similar studies in the literature. It will be relevant if authors can compare their results with at least two results previously published **xiv.** The problem being investigated is one in which a vertical plate is set into motion. Obviously, the velocity of the fluid in the vicinity of the boundary would experience greater velocity fields than those far away from the plate. The velocity profiles do not seem to satisfy free stream conditions. **xv.** Of what significance is the point "y=4" such that all the velocity profiles converge to the point?	
Minor REVISION comments	i. The referencing style is ok except that it could be arranged in alphabetical order. ii. 2nd author of 2nd reference other names should be initialised iii.	
Optional/General comments		

Note: Anonymous Reviewer