



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_40125
Title of the Manuscript:	The coupling conduction effects on natural convection flow along a vertical flat plate with Joule heating and heat Generation
Type of the Article	Original research paper

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	In the article, the coupling conduction effects on natural convection flow along a vertical flat plate with Joule heating and heat generation are presented. The aim, objectives, method of solution, methodology and the results are of great standard and novel. However, the mathematical formulation and non-dimesnionalization are questionable. 1. What is the source of Eq. (12)? Since the stream function is not developed in this article, the appropriate published article should be acknowledged and cited. 2. If variable “h” is known as the dimensionless temperature, then explain how$\frac{\theta}{h} = x^{1/5} (1 + x)^{-1/5}$ 3. Literature review on this kind of non- similarity solution should be presented under introduction section. 4. Eq. 2, free stream temperature term in the Boussinesq approximation should be written properly. 5. The results presented as Fig. 5a and Fig. 5b is wrong. All the profiles were truncated. Meanwhile, the asymptotic nature of the results was affected.	1. Actually this transformation is used for coupling conduction and it is an established function which is used in many research papers. 2. It's as like as (1). 3. Literature review is included in introduction section. 4. Equation 2, Boussinesq approximation term written correctly. 5. For coupling conduction, all temperature profiles will be started from different points because of the coupling conduction parameter p.
Minor REVISION comments		
Optional/General comments		