



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_61707
Title of the Manuscript:	Effects of anisotropy on natural convection in a vertical porous cavity filled with a heat generation.
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/journal/10/editorial-policy>)

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	<ol style="list-style-type: none"> 1) The authors have numerically studied heat transfer mechanism via natural convection process in a porous medium that looks interesting. But the energy of predicted internal heat source is not specified clearly. 2) I think it is necessary to mention the types of materials of porous medium with specific dimension to further know the heat transfer rate among various porous materials. 3) We know Newtonian fluids are many types. Have they considered any particular Newtonian fluid(s) in this study? If so please mention. 4) In page 5, line 3, porous medium are denotes by and, what is meant by it? 5) Some spacing, typos and grammatical mistakes should be corrected carefully before publication. 6) The aforementioned issues should be reflected in the abstract conclusions and body of revised manuscript. 	
Minor REVISION comments	<ol style="list-style-type: none"> 1) What are the software have been employed in this study? Authors can mention these by creating methodology section. Parameters used can be written in symbolic form as well. For examples- Nusselt number (Nu); Rayleigh number (n), etc. 2) The authors mention, horizontal walls are insulated but how insulation are suggested/predicted/made in this study? 3) In at least one figure caption name of material system should write properly. 	
Optional/General comments	<ol style="list-style-type: none"> 1) Figures should depict and captions can be written according to journal format. 2) Several more references can be added. 	



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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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