Review Form 1.6

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_81636**
Title of the Manuscript:	**Modeling heat transfers in a typical roasting oven of Burkina Faso**
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:

(https://www.journalpsij.com/index.php/PSIJ/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	**The manuscript needs to explain the derivation of a few fundamental parameters. These are explained in the comments in the review. Some of the major questions are:** **1. How was the distance between the nodes calculated in the nodal heat transfer analysis.** **2. How many nodes were used to discretize the geometry and was there a study on using more or less nodes.** **3. How was the model calibrated? Was there any parameter that needed to be adjusted to increase the accuracy of results. With so many approximations of different thermal properties, boundary conditions, and a simplified 1D heat flow modelling, it seems that the results are too accurate unless some calibration was carried out.** **4. If no calibration was carried out, show any results from variations of different assumed parameters such as heat transfer coefficients, or emissivities**	
Minor REVISION comments	**Spelling, grammatical errors and logical discrepancies as noted.**	
Optional/General comments	**This is a useful study of the thermal dynamics of traditional ovens of Burkina Faso. Using a nodal network heat transfer model, the analysis explains the effects of various design and geometric parameters, and could be used for further optimization of ovens.** **Some important concepts of the implementation need to be described in more detail, as mentioned above, in order to clear the derivation of results in figure 5.**	

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PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Preetham Rao**
Department, University & Country	**USA**