

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>)

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	<ol style="list-style-type: none"> 1- Fig.1: More details in terms of labelling of the diagram should be added. E.g., door, chimney, gas/air flow passages, materials of construction, etc. 2- Label the mathematical symbols (E.g., T_i, T_j, Q_i, m_{air}, etc.) of Eq. (1) could be labelled in Fig.2. 3- The link of Eqs. (2, 3, 4...) with the main governing Eq. (1) needs to be explained properly. 4- The description regarding the estimation/selection of Q_i (Eq. (1) should be mentioned. 5- Section-2.3: Equation numbering in the entire section is missing. 6- Section-2.3.1: Some more textual description and a schematic with appropriate labelling of mathematical symbols should be included to explain so many mathematical equations/expressions. 7- Section-2.3.2: A flow chart/diagram can be added to describe the iterative procedure of mathematical calculations. 8- The measurement uncertainty analysis is not presented. This should be included to understand how the error margins of temperature readings are estimated in Figs. 4 and 5. 9- There is a confusion about the mass flow rate of gas or air (Eq. (1)). Flow rate of gas and flow rate of air (m_{air}) are the same terms or different? 	
Minor REVISION comments	<ol style="list-style-type: none"> 1. In the last two sentences of Section-1 (Introduction), consider replacing "will be" with "has been". 2. English Expressions at several place need revisions: E.g.: <ol style="list-style-type: none"> i) Section-1, Line-6: When to the wooden roasters,... → seems incorrect. ii) Section-2, Line-3: "To complete our work..." → Better expression could be used. 3. Influence of some more design parameters could be studied. E.g., effect of putting appropriate insulation with varying thickness around the exterior walls of the oven. 4. The effect of time interval and number of nodes should be discussed. 	
Optional/General comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Abdul Waheed Badar
Department, University & Country	HITEC University, Pakistan