

REVIEWER'S REPORT

Manuscript No.: **IJAR-58856**

Title: STUDY OF THE IMPACT OF HEAT EXCHANGE ON THE DYNAMIC RESPONSE OF A FIBER-PLASTER COMPOSITE UNDER TRANSIENT CONDITIONS.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision ...√.....

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality			√	
Clarity			√	
Significance		√		

Reviewer's ID: JPR- DR PRITI GUPTA

Detailed Reviewer's Report

1. The nomenclature should be standardized and all symbols should be defined only once.
2. Use °C for temperature and K for temperature differences/heat-transfer coefficients where appropriate.
3. Heat-transfer coefficients should normally be reported in $\text{W m}^{-2} \text{K}^{-1}$.
4. Thermal conductivity should be reported in $\text{W m}^{-1} \text{K}^{-1}$.
5. Thermal diffusivity should be reported in $\text{m}^2 \text{s}^{-1}$.
6. The manuscript alternates between “heat flux density” and “heat flow density.” One term should be selected and used consistently.
7. Decimal separators should be standardized. The tables use commas in values such as 22,7 and 17,1.
8. Figure labels should be larger and more readable.
9. All axes should contain correct SI units.
10. Table 1 should explain the conditions under which β_n was calculated.
11. Tables 2 and 3 should use consistent headings and units.
12. Equation numbering should be checked carefully. The text refers to “equation (31)” although the preceding derivation is numbered differently.
13. References should be checked for consistency in author names, journal titles, volume, issue, pages, DOI, and formatting.