

Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | Ms_PSIJ_90589 |
| Title of the Manuscript: | Analytical and Numerical studies of transient heat transfer in soil for geothermal systems |
| 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) |
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| Compulsory REVISION comments | | |
| Minor REVISION comments | <ul style="list-style-type: none">In this study, the authors investigated Analytical and Numerical studies of transient heat transfer in soil for geothermal systems. The analytical and numerical solutions of unidirectional heat transfer equation assuming the soil as a semi-infinite medium are found. The concept of the paper is new, however mathematical steps performed in it require clarification. Following concerns need to be addressed before the manuscript can be considered for publication: The topic is interesting and the paper is well written.Introduction has been well written.Objectives are highlighted in detail.Flow geometry presented in Image 1 needs more detail.Figures are not readable clearly.Results are clearly explained with some physical explanations. Hence, with the above MINOR changes, I recommend this paper for publication. | |
| 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) |
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| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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| Name: | Hina Gul |
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