

Review Form 1.7

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_108206 |
| Title of the Manuscript: | Investigation of Heat Stress among Greenhouse Workers in Chhattisgarh |
| Type of the Article | Original Research Article |

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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| <p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <ol style="list-style-type: none"> In this paper, the authors investigate heat stress and associated health problems in greenhouse workers. The study was conducted in 2022 in Raipur district, Chhattisgarh. Prior to the assessment, the authors conducted a questionnaire survey of 50 greenhouse workers to determine perceptions of heat exposure, heat-related health problems and knowledge of heat management, and measured hourly air temperature, wet bulb temperature, relative humidity and black globe temperature. They calculated the time period when farmers were most likely to suffer from heat stress. Meteorological parameters such as dry bulb temperature, wet bulb temperature index, relative humidity and humidex index have been observed higher in May, June, July, August and September. The WBGT index and Humidex index were significantly higher inside the greenhouse than outside. The authors concluded that a proper rest cycle should be followed to avoid heat-related problems such as headache, heat cramps and nausea. They also recommend providing adequate hydration facilities with electrolytes to reduce the harmful effects of heat on greenhouse workers. The title corresponds to the content of the article. The abstract reflects the subject of the article and its conclusions. The article is structured correctly. Yes. The references are correct and current. | |
| <p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? | | |
| <p>Optional/General comments</p> | | |

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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