

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_105128
Title of the Manuscript:	Infrared Thermometry Studies for Estimation of Crop Water Stress Index
Type of the Article	Research Paper

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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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Manuscript based on field work, therefore considerable</p> <p>2. Yes</p> <p>3. Yes</p> <p>4. Need some revision</p> <p>5. after revision</p> <p>6. Need some more updated reference [here only 1997 to 2016 mention] as</p> <p>Katimbo, A., Rudnick, D. R., DeJonge, K. C., Lo, T. H., Qiao, X., Franz, T. E., ... & Duan, J. (2022). Crop water stress index computation approaches and their sensitivity to soil water dynamics. <i>Agricultural Water Management</i>, 266, 107575.</p> <p>Cetin, M., Alsenjar, O., Aksu, H., Golpinar, M. S., & Akgul, M. A. (2023). Estimation of crop water stress index and leaf area index based on remote sensing data. <i>Water Supply</i>, 23(3), 1390-1404.</p> <p>It seems that the author hurried to prepare the manuscript not to cross check the figure number in the text.</p> <p>In the methodology section kindly mention month of the study and selected crop botanical name and their authority.</p> <p>Provide region why selected this crop for study?</p> <p>What is the significance of the study? How is this study applicable in the farmer field?</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Need to revise the manuscript with care</p>	
<p>Optional/General comments</p>	<p>Line no. 27-29: Agriculture engages over 55% of India's 28 population, but water insufficiency affects the sector, accounting for 70% of global fresh water 29 withdrawal [Add reference]</p> <p>Line no. 68-69: The soils in general are very fertile and they are broadly 69 classified as Black cotton soil, red loamy and sandy loamy [Add reference]</p> <p>Line no. 70-72: rabi season in both districts are Paddy, maize bajra, Jowar, Black gram, green gram, Bengal 71 gram and red gram among Pulses, Cotton, Groundnut, Chillies, turmeric, tobacco and 72 Sugarcane. [Uniform the sentence e.g. Green gram]</p> <p>Line no. 73: Infra-red thermometer [Mention model number and Year]</p> <p>Line no. 74: In table 1 mention only four month [Dec, Jan, Feb, March] while in Line 64 show hot</p>	

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	<p>temperature in May. [Justify it and mention Time of the Study]</p> <p>Line no. 129: (equation 2.1) [where equation 1 or 2]</p> <p>Line no. 144: Fig.1. shows the CWSI profile of rabi season. [It is a location map]</p> <p>Line no. 152: fruit cracking [name of the fruit?]</p> <p>Line no. 160: Fig .2 shows the graphical representation of CWSI [It show Canopy temperature measurement using IRT in different crops]</p> <p>Line no. 161-166: Fig .2 (a), Fig .2 (b), Fig 2 (c) and Fig 2(d) [Where is Fig ?]</p> <p>Line no. 240: 10.10.Clawson, [Repeat number]</p> <p>Line no. 243: Mangus, D.L., Sharda, A. and Zhang, N., 2016. [Uniform reference]</p> <p>Line no. 253 : Arshad, R.H. and Sarwar, A., 2022 [Uniform reference]</p>	
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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Uday Bhan Prajapati
Department, University & Country	Patanjali Research Foundation, India