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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5706** |
| Title of the Manuscript:  | **PREDICTION AND SIMULATION OF HOT SPOT TEMPERATURE WITH AN EFFECT OF ENVIRONMENTAL DRIVING VARIABLES** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Global Research in Computer Science, 3(6): 59-63, 2010.**

**Available:** [**https://www.rroij.com/peer-reviewed/prediction-and-simulation-of-hot-spot-temperature-with-an-effect-of-environmental-driving-variables-37808.html**](https://www.rroij.com/peer-reviewed/prediction-and-simulation-of-hot-spot-temperature-with-an-effect-of-environmental-driving-variables-37808.html)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The study in the paper is important as it includes external environmental parameters and updates the existing models of TOT and HST as per the loading guides of IEEE or IEC.**  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **No. The word prediction should not be there as the authors are not predicting the temperature. The model is developing the results as per the input data.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **Directly starts with the parameters. The abstract starts with the transformer and their related temperature rises. Major findings are also not discussed in the abstract.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Equations guiding the effect of solar radiation and wind velocity are absent. The author may refer the paper with DOI: https://ijeei.org/docs-56580054764490e7841f4e.pdf** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Add reference of DOI: https://ijeei.org/docs-56580054764490e7841f4e.pdf** |  |
| Is the language/English quality of the article suitable for scholarly communications? | ok |  |
| Optional/General comments | nil |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Vinit Mehta, Jodhpur Institute of Engineering & Technology, India**