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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 minimumof 3-4 sentences may be required for this part.** | **This is very important as in this method, the effect of solar radiation and wind velocity are also taken into consideration and it significantly reduce the gap between actual and predicted. This environmental variables also effect the life of insulation and transformer’s life. This method is much more accurate to predict transformer temperature and loss of life for normal load profile. This would help various scientist working in this field.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title of article is suitable, however we can add the environmental factors name in the title as**  **“PREDICTION AND SIMULATION OF HOT SPOT TEMPERATURE WITH AN EFFECT OF ENVIRONMENTAL DRIVING VARIABLES LIKE SOLAR RADIATION AND WIND VELOCITY”**  **Or we can add up transformer in title as “PREDICTION AND SIMULATION OF HOT SPOT TEMPERATURE IN TRANSFORMER WITH AN EFFECT OF ENVIRONMENTAL DRIVING VARIABLES”**  **Or we can add both transformer and name of variable in title as it will describe all.** |  |
| 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. | **Yes the abstract is comprehensive. Abstract is good enough and doesnot require any big changes in it.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes as per as my knowledge this is scientifically correct.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Refrence is sufficient. But it is not much recent we can add up two or more recent refrences as follows**  **Juarez-Balderas, Edgar & Medina, Joselito & Olivares-Galvan, Juan & Hernández Romero, Norberto & Seck Tuoh Mora, Juan & Aguilar Rodriguez, Alejandro. (2020). Hot-Spot Temperature Forecasting of the Instrument Transformer Using an Artificial Neural Network. IEEE Access. 8. 164392-164406. 10.1109/ACCESS.2020.3021673.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes the language is very much suitable**. |  |
| Optional/Generalcomments | **This content is very new as it consider environmental factors like wind velocity and solar radiation,but we can add up the word “transformer” or the name of environmental variables “solar radiation and wind velocity” as mentioned above. Also we should add some recent refrences if possible.** |  |

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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?** |  |  |

**Reviewer details:**

**Ashish Davande, Barkatullah University, India**