

**BPI Review Form 070520**

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|--------------------------|---|
| Book Name:               | <b><u>Emerging Issues in Environment, Geography and Earth Science</u></b>                 |
| Manuscript Number:       | <b>Ms_BP_11874F</b>   |
| Title of the Manuscript: | <b>Analysis of Variations in PM2.5 Concentration and Meteorological Factors in Harbin</b> |
| Type of the Article      | <b>Book Chapter</b>   |

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**PART 1: Review Comments**

|   | <b>Reviewer's comment</b>   | <b>Author's comment</b> (If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here) |
|---|---|---|
| Is the manuscript important for the scientific community?<br>Please write a few sentences explaining your answer                              | Yes, The PM2.5 distributions and correlations presented can be used in assessing the probabilities of the development of human health, global warming, and regional haze situations in the study area   |   |
| Is the title of the article suitable?<br>Do you have any alternative Title in your mind?  | Yes   |   |
| Is the abstract of the article comprehensive?<br>If your answer is No, please provide suggestions   | Yes, but needs improvement<br>I have attached suggestions in review comments  |   |
| Do you think the English quality of the article is suitable for scholarly communications?<br>If your answer is No, please provide suggestions | The English may still be better with a thorough grammar checker   |   |
| Please provide your comments regarding the appropriateness of different sections of the manuscript.   | <p>OK</p> <p>Title: Analysis of Atmospheric Pollutants and Meteorological Factors on PM2.5 Concentration and Temporal Variations in Harbin.</p> <p>The author(s) have attempted an in-depth analysis of the correlations between PM2.5, and some meteorological factors using machine-learning approach. The overall manuscript is a good approach and worthy to merit publication, however I noticed some shortcomings with it which the author(s) should addressed carefully to improve the paper.</p> <p>The comments are thus:</p> <ol style="list-style-type: none"> <li>1. The topic is interesting and worth to be analyzed. In general, the manuscript has a good structure. However, to be accepted as a research paper, the following shortcomings should be addressed. First, the abstract section should be revised because it is not very clear what the main outcomes of this study are, is it only for supporting data?</li> <li>2. Air pollution is a global problem and the author has acknowledged it, but they concentrate their reviews only in China which may be considered glossary inadequate. Author(s) should expand on their reviews to capture other continents. Related works section is not sufficient. The authors should improve on this section as they have left many papers out. Normally, it's the gaps in work of others that the authors are expected to fill. The authors should consult and cite:<br/><a href="https://doi.org/10.18178/ijesd.2023.14.2.1422">https://doi.org/10.18178/ijesd.2023.14.2.1422</a>;<br/><a href="https://doi.org/10.1016/j.atmosenv.2021.118356">https://doi.org/10.1016/j.atmosenv.2021.118356</a>;<br/><a href="https://doi.org/10.4236/gep.2020.88001">https://doi.org/10.4236/gep.2020.88001</a></li> <li>3. Authors should state the difference of their work with the mentioned papers .The reason why the proposed technique performs better should be explained.</li> <li>4. The conclusion sections should have the structure of bullet points summarizing the main outcomes of this study.</li> <li>5. Finally, the impact or advancement of the work as stated in the conclusion can be expatiated to include the expected advancement proposed. This will help other authors who may have similar intentions.</li> </ol> |   |

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|  | <p>6. For the English, it can be better with a thorough grammar checker.</p> <p style="color: red;">I go with the decision of revised for consideration.</p> |  |
| <p>Do you think that the references in the manuscript are proper, recent and sufficient?<br/>If you have any suggestions, please write here.</p> | No, I have suggested more references   |  |

**PART 2:**

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|---|--|--|
|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

**Reviewer Details:**

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|----------------------------------|---|
| Name:                            | <b>Tyoyima John Ayua</b>                |
| Department, University & Country | <b>University of The Gambia, Gambia</b> |