Introduction

Lines 27-47 : please add references and also do a literature review on PM2.5 as a air pollutant. You can add below mentioned papers to your introduction and reference list:

https://doi.org/10.1016/j.jes.2023.11.019

https://doi.org/10.3390/su13042201

Material and methods:

You have not mentioned the study domain, the duration of study, the number of stations, so please describe you study area and data collection carefully.

You can move some of formulas to supplementary material, it is confusing in the main text.

Results:

It is confusing, the order of results is not correct. You need reorder it.

Line 311: what simulation study? You have not mentioned it!

Discussion:

You have not mentioned that why your findings can be valuable in environmental sciences and air quality, please discuss it in more detail.

You have not compared your results with similar studies, so please compare it to show the importance of your job or possible extra findings compared to other studies.

Conclusion:

Improve it, it is a very small conclusion. Talk about the methods you have used and your findings and also the study area. Please re write it.