

Response to Comments on the Manuscript:

“An optimized semi-empirical physical approach for satellite-based PM_{2.5} retrieval: embedding machine learning to simulate complex physical parameters”

Response to Comments of the Editor:

Comments:

Please ensure that the colour schemes used in your maps and charts allow readers with colour vision deficiencies to correctly interpret your findings. Please check your figures using the Coblis – Color Blindness Simulator (<https://www.color-blindness.com/coblis-color-blindness-simulator/>) and revise the colour schemes accordingly.

Response: We would like to thank the editor for his precious time. We have double-checked all graphic colors throughout the manuscript using the Coblis-Color Blindness Simulator. Based on the results of the examination, the color schemes of Fig. 5 (Page 16 Line 371) and Fig. B1 (Page 28 Line 656) have been changed. We hope it is clear now.