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Dear Editor

We have submitted our revised manuscript with title “*Temperature and radiative responses to anthropogenic aerosols over the Mediterranean Basin based on CMIP6 Earth system models*” for potential publication in Atmospheric Chemistry and Physics following your recommendations. We considered all the comments of the reviewers and there is a detailed response to their comments point by point (see below). We believe that our study represents a significant contribution in our understanding of the temperature amplification over the Mediterranean induced by changes in global emissions of anthropogenic aerosols, and we hope that you will consider our manuscript for publication.

Yours sincerely,

Alkiviadis Kalisoras  
Ph.D. Candidate

## **Reply to the Editor**

We would like to thank the editor for the useful suggestions. Following the recommendation below, we have now shortened the Conclusions section by removing unnecessary references and streamlining the text while maintaining the main scientific messages of the study.

Editor: *“Dear Authors, Thank you for reviewing your manuscript and addressing major issues. I have assessed the revised version and almost satisfied with the manuscript. However, your conclusion section is quite long with a lot of references. I would advise shortening the conclusion and keeping the message clear and concise while respecting the ACP guidelines ([https://www.atmospheric-chemistry-and-physics.net/policies/guidelines\\_for\\_authors.html](https://www.atmospheric-chemistry-and-physics.net/policies/guidelines_for_authors.html)). Also, please try as much as possible to have references. Currently, the conclusion contains so many references cited that it looks a bit confusing as it seems to be the continuity of the discussion. Regards”*