

## ***Interactive comment on “Sinking microplastics in the water column: simulations in the Mediterranean Sea” by Rebeca de la Fuente et al.***

**Rebeca de la Fuente et al.**

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We thank the Reviewer for the careful and positive evaluation. We respond to the specific comments below.

1.

Considering nonspherical shapes for sinking microplastics does not lead to significant alterations in their settling velocity (for particles with the same density). Only for (uncommon) extremely thin rod-like particles differences may be found. Please see the detailed analysis in the supplement of this response letter and which we will include as an appendix in the revised manuscript.

2.

C1

We will change the color of these lines in the revised version of the manuscript, please see the new figures in the supplement of this response letter as well.

We hope that our responses appropriately address the issues raised by the Reviewer.

Please also note the supplement to this comment:

<https://os.copernicus.org/preprints/os-2020-95/os-2020-95-AC1-supplement.pdf>

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2020-95>, 2020.

C2

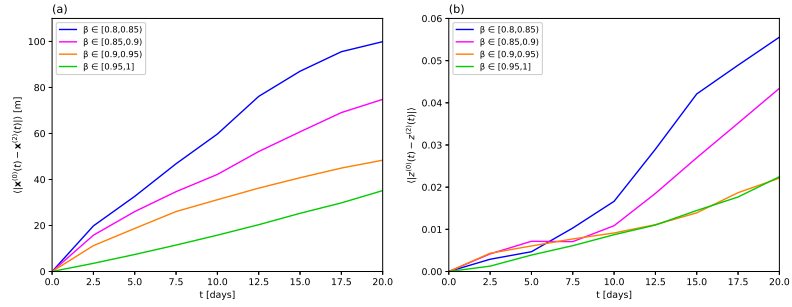


Fig. 1.

C3

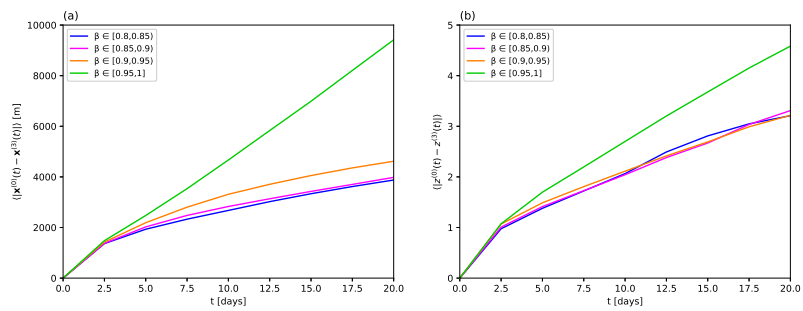


Fig. 2.

C4

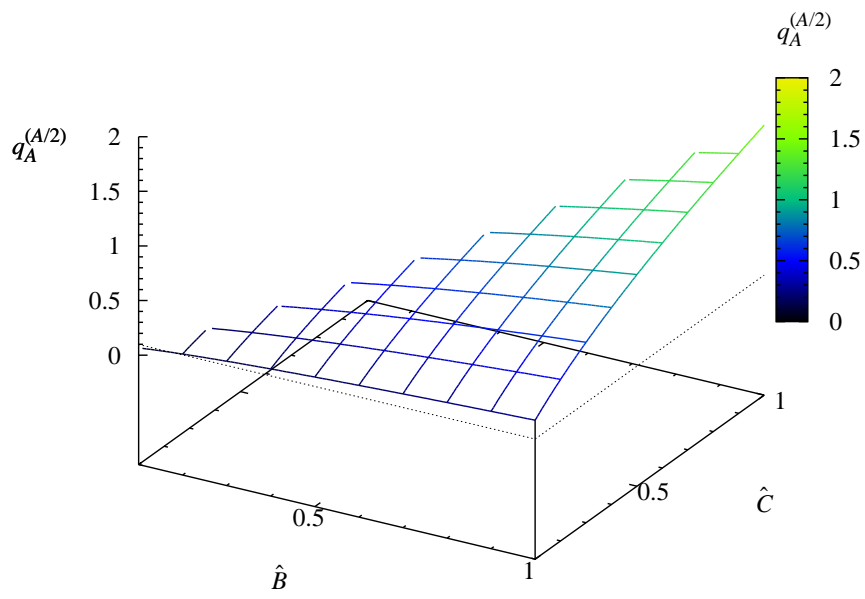


Fig. 3.

C5

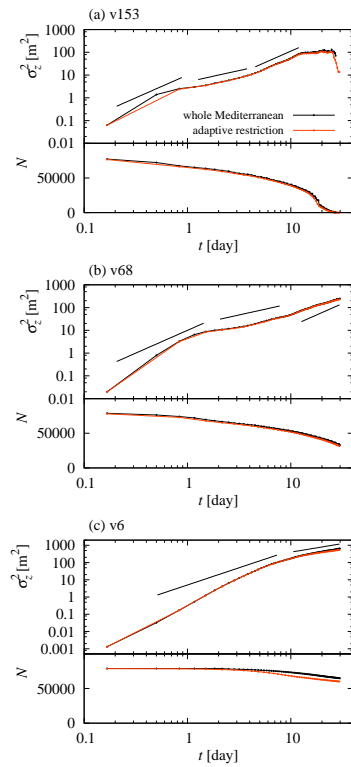


Fig. 4.

C6