

Authors have done considerable efforts in improving the manuscript, **Parameterization of phytoplankton spectral absorption coefficients in the Baltic Sea: general, monthly and two-component variants of approximation formulas** by Justina Meler, especially in terms of rearranging figures, including studies in different ocean basins, as suggested. The paper is worth publishing, if the authors work at further improving the quality of the manuscript.

The manuscript still needs:

- extensive editing of English language (consider verification of language by a native speaker or a professional proof reader)
- rearrangement of text into paragraphs of a consistent size

Some necessary corrections are listed below, the authors are required to carefully follow the examples and check the entire text for similar errors.

1. Check the reference list thoroughly. References in the introduction like Bidigare et al. 1990, Reinart et al. 2004, and Mascarenhas et al. 2018 are not listed in the references.
2. When adding references, throughout the manuscript avoid the word 'see', the reader will obviously look for the reference if interested.
The same applies when referring to figures in the text.
3. 'Case 1' waters and not 'case 1 waters'
4. Figure 4 caption mentions a sub figure (f) and legend in panel (e), but no figure (f) and a legend in (e) appears in the figure.