

Interactive comment on “Parameterization of the light absorption properties of chromophoric dissolved organic matter in the Baltic Sea and Pomeranian Lakes” by Justyna Meler et al.

Anonymous Referee #2

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General comments

An interesting work in which a lot of effort for sampling, analysis and modeling has gone. The motivation for this work is not quite clear. Advantages should be more highlighted, combined with future prospects for its application.

Specific comments

Some structures should be revised, especially the discussion. Argumentation is often difficult to follow. Short and concise sentences might be easier. A little bit mixed up with other chapters, especially results.

Fig 10 could be arranged according to chlorophyll a concentrations.

To clarify and support statements add numbers (i), (ii), especially in the discussion section.

Technical comments

The language should be revised prior to publication.

Sentences are often too long, resulting in confusion.

Formulas should be consistent; the same goes for the description of existing parameters.

Symbols and abbreviation are used inconsistently in manuscript, e.g. chl a, CDOM. This should be revised prior to publication.

Lines 175ff: Add reference.

Line 182ff: Eq 4: At which wavelength was it calculated?

Line 203-212: not consistent with others, try to rearrange.

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Discussion paper

