

# ***Interactive comment on “The effect of salinity, light regime and food source on C and N uptake in a kleptoplast-bearing foraminifera” by Michael Lintner et al.***

**Michael Lintner et al.**

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Thank you for your feedback. It is a very good and important review, which leads – after the adaptation of the manuscript – to a better understanding of the paper.

Generally: We rephrased section 4.2. and adapted the citation of Lopez (1979). Besides, we included the aspect that chloroplasts in *E. excavatum* may not be functional due to the observation of Lopez (1979).

Results: We added values in the text, for a better description of our results. Additionally, a table of all pN and pC values will be given in the supplementary part. Line 194: The

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difference in mean pC between the 20 (0.07318) and the 25 (0.07306) PSU levels is very low, but our statement is correct. It will be more clearly, after we added mean values to the text. Lines 203-204: We corrected these sentences. Lines 243-245: We improved the text here. Lines 255-259: An increase of food uptake considering pC is just seen if you look at a correlation line based on the mean values and not via ANOVA. We added more information to this paragraph and also the aspect of a "tendency" of food uptake.

Discussion: We added all your suggested literature and also rephrased section 4.2. (see above). Lines 287-290: We added this information and reference to the manuscript. Lines 293-301: We added more references, and also expanded the discussion by including the aspect of the accumulation of lipid droplets. Section 4.2.: As described above, we have rephrased this section and inserted all your comments.

Minor comments: Line 51: We skipped this phrase. Lines 57-58: We adapted the literature. Lines 63-64: We modified these sentences. Lines 97-102: We removed this paragraph. Lines 152-153: 20 foraminifera were put per tin capsule – we added this information. Lines 151-157: Yes, we did this – we also added this information to the manuscript. Line 199: Thank you for this hint, indeed we meant N uptake, we adjusted it in the text now. Figure 1: We adapted this figure to your suggestion and also increased the size of the axis legend. Line 262: We added this information to the section title.

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