

Interactive comment on “Hyposalinity tolerance in the coccolithophorid *Emiliana huxleyi* under the influence of ocean acidification involves enhanced photosynthetic performance” by Jiekai Xu et al.

Jiekai Xu et al.

ksgao@xmu.edu.cn

Received and published: 19 June 2019

Dear professor: Thanks for your comments and here is our response as follow: First, in our experiment, 1 ml Aquil medium was added to 1 L sterilized seawater so the content of nitrogen and phosphorus of the medium was 10 $\mu\text{mol/L}$. Secondly, it should be noted that sterilized seawater in our study was artificial seawater. Finally, for the different results of carbonate system parameters, except for the content of nutrients which could cause deviations, temperature also affects markedly. As culture temperature is 15°C, one of the input parameters should be 15°C for the temperature column when using the CO2SYS. I guess that's why you were not able to reproduce

C1

the calculated carbonate system parameters given in our paper.

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2019-4, 2019.

C2