

Interactive comment on “Influence of elevated CO₂ concentrations on cell division and nitrogen fixation rates in the bloom-forming cyanobacterium *Nodularia spumigena*” by J. Czerny et al.

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Thank you very much for the constructive remarks on our manuscript that helped us to improve it substantially.

1. Given the current controversy about altering CO₂ by acidifying the medium vs. bubbling with CO₂, some justification for choosing acidification, with the change in alkalinity this brings about, could have been included.

See comment Nr. 5 in the answer to comment by D. Hutchins.

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2. I wonder whether, given the propensity of *Nodularia* to form large blooms and cell clumps, extension of the study to compare aggregated vs. homogeneous cultures might be warranted and discussed at least.

See comment Nr. 3 in the answer to comment by D. Hutchins.

3. I am intrigued by the suggestion that another cyanobacterium, *Anabaena*, may show a different response - is this closer to that of *Trichodesmium* or a different response again? A bit more information would be useful.

See comment Nr. 11 in the answer to comment by D. Hutchins.

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