

Dear Dr. Bach:

I have read your revised version and I am happy to inform you that your paper is now accepted for publication. However, while reading I identified a few minor typos that need correction before uploading the final version to be published.

Line 37. Point missing after 2018).

Line 97: add space between carbonates (Torres...)

Line 410: rewrite to  $ax^2+bx+c$ , i.e. remove\* and use superscript

Line 658: typo in Alknon-carbonate...

Line 728: add space before (Middelburg...

Line 777: add space before (Krumins...)

Thank you for submitting to Biogeosciences. I am looking forward seeing it in print.

Best regards,

Jack Middelburg, Associate Editor

REPLY:

Dear Dr. Middelburg,

Thank you for editing this manuscript and your kind and constructive comments. I implemented your remaining suggestions and found a few more typos that were corrected (all changes listed below).

Kind regards,

Lennart Bach

- 1) Changed “Lennart T. Bach” to “Lennart Thomas Bach” (Line 3).
- 2) Added point after Nemet reference (Line 37).
- 3) Added comma after all occurrences of “i.e.” and “e.g.” as was suggested by the grammar autocorrection of MS Word.
- 4) Added a space between carbonates and Torres reference (Line 96).
- 5) Added a missing “)” when referring to Table S1 (Line 137).
- 6) Changed the reference to “section 2.4.” to reference to “section 2.3.” (Line 203).
- 7) Added “(total scale)” to indicate on which pH scale pH was reported (Line 234).
- 8) Added Lewis and Perkins reference to the reference list. Paper was cited before but not listed in the reference list so far (Line 298).
- 9) Deleted “in the following cases” as this was confusing (Line 338).
- 10) Changed “eq. (7)” to “eq. (6)” (Line 386)
- 11) Removed “\*” and used superscript as suggested by the Editor (Line 409).
- 12) All references cited here were listed twice, thus one of each was removed (Line 478).
- 13) Changed “alkalinity” to “ $\Delta$ Alkalinity” (Line 566).
- 14) Corrected typo in “non-carbonate” (Line 657).
- 15) Added space before (Middelburg et al., 2020) (Line 727).

- 16) Added the following statement to the acknowledgement: “I also Jack Middelburg for editing the manuscript and Matt Eisaman, Adam Subhas, and two anonymous reviewers for their constructive review.” (Line 853).
- 17) Changed “Fig. 2” to “Fig. 3” in supplement (Line 13)
- 18) Changed “before their crushing” to “before they were crushed” in the supplement (Line 35).