



OPEN ACCESS

EDITED AND REVIEWED BY
Travis Blake Meador,
Academy of Sciences of the Czech Republic
(ASCR), Czechia

*CORRESPONDENCE
Hajime Kayanne
✉ kayanne@ag.ecc.u-tokyo.ac.jp

RECEIVED 14 July 2025
ACCEPTED 04 September 2025
PUBLISHED 15 September 2025

CITATION
Yamaki K, Yamamoto S and Kayanne H (2025)
Correction: Natural and artificial consolidation
of sand (beachrock) induced by
cyanobacterial/algal mat photosynthesis.
Front. Mar. Sci. 12:1663879.
doi: 10.3389/fmars.2025.1663879

COPYRIGHT
© 2025 Yamaki, Yamamoto and Kayanne. This
is an open-access article distributed under the
terms of the [Creative Commons Attribution
License \(CC BY\)](#). The use, distribution or
reproduction in other forums is permitted,
provided the original author(s) and the
copyright owner(s) are credited and that the
original publication in this journal is cited, in
accordance with accepted academic
practice. No use, distribution or reproduction
is permitted which does not comply with
these terms.

Correction: Natural and artificial consolidation of sand (beachrock) induced by cyanobacterial/algal mat photosynthesis

Katsunori Yamaki¹, Shoji Yamamoto^{2,3,4} and Hajime Kayanne^{2,5*}

¹Hayama Marine Science Laboratory, Kajima Technical Research Institute (Kajima Corp), Hayama, Kanagawa, Japan, ²Department of Earth and Planetary Science, the University of Tokyo, Tokyo, Japan, ³National Metrology Institute, National Institute of Advanced Industrial Science and Technology, Tsukuba, Ibaraki, Japan, ⁴Department of Applied Chemistry, Tokyo Metropolitan University, Hachioji, Japan, ⁵Department of Civil Engineering, the University of Tokyo, Tokyo, Japan

KEYWORDS

beachrock, cyanobacteria, carbonate chemistry, coral reef, coastal protection

A Correction on

Natural and artificial consolidation of sand (beachrock) induced by cyanobacterial/algal mat photosynthesis

By Yamaki K, Yamamoto S and Kayanne H (2025) *Front. Mar. Sci.* 12:1532130. doi: 10.3389/fmars.2025.1532130

There was a mistake in [Figure 8](#) as published. The filled and blank dots in red representing pH data and all the alkalinity data in black were missing from the figure. The corrected [Figure 8](#) appears below.

The original version of this article has been updated.

Publisher's note

All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

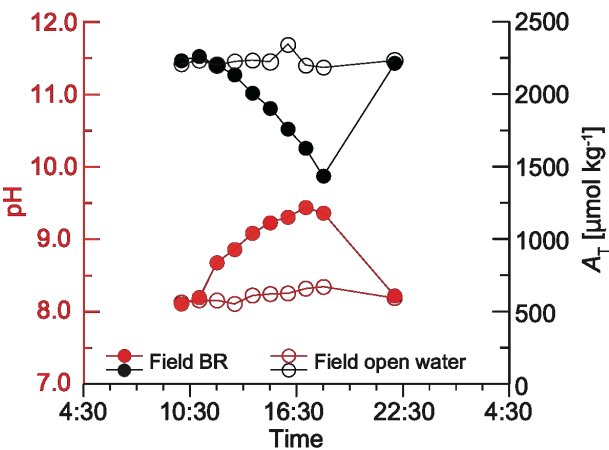


FIGURE 8
Time-series changes in carbonate chemistry during beachrock formation. pH (red) and total alkalinity (A_T ; black) in the natural beachrock (BR; filled circles) and open water (open circles). Measurement errors for A_T range from 5 to 10 $\mu\text{mol kg}^{-1}$.