

## HIROAKI SAITO : Refereed Publications:

1. Hashihama, F., Saito, H., Kodama, T., Yasui-Tamura, S., Kanda, J., Tanita, I., Ogawa, H., Woodward, E. M. S., Boyd, P. W., and Furuya, K. (2021) Cross-basin differences in the nutrient assimilation characteristics of induced phytoplankton blooms in the subtropical Pacific waters, *Biogeosciences*, 18, 897–915, <https://doi.org/10.5194/bg-18-897-2021>
2. Jiang, S., Hashihama, F., Saito, H. (2021) Phytoplankton growth and grazing mortality through the oligotrophic subtropical North Pacific. *Journal of Oceanography* <https://doi.org/10.1007/s10872-020-00580-4>
3. Hashihama, F., Saito, H., Shiozaki, T., Ehama, M., Suwa, S., Sugiyama, T., et al. (2020). Biogeochemical controls of particulate phosphorus distribution across the oligotrophic subtropical Pacific Ocean. *Global Biogeochemical Cycles*, 34, e2020GB006669. <https://doi.org/10.1029/2020GB006669>
4. Arifin, Z., and Saito, H. (2019). Bridging coastal research program between Indonesia and Japan. *Marine Research in Indonesia*, 44, 34-41. [doi.org/10.14203/mri.v44i1.551](https://doi.org/10.14203/mri.v44i1.551)
5. Hashihama, F., Suwa, S., Kanda, J., Ehama, M., Sakuraba, R., Kinouchi, S., Sato, M., Yamaguchi, T., Saito, H., Ogura, Y., Hayashi, T., Mori, H., Kurokawa, K., Suzuki, S., Hamasaki, K. (2019) Arsenate and microbial dynamics in different phosphorus regimes of the subtropical Pacific Ocean. *Progress in Oceanography* 176, 102-115. <https://doi.org/10.1016/j.pocean.2019.05.007>
6. Takagi, H., Kimoto, K., Fujiki, T., Saito, H., Schmidt, C., Kucera, M., Moriya, M. (2019) Characterizing photosymbiosis in modern planktonic foraminifera. *Biogeosciences*, 16, 3377-3396, <https://doi.org/10.5194/bg-16-3377-2019>
7. Bograd, S. J., Kang, S., Di Lorenzo, E., Horii, T., Katugin, O. N., King, J. R., Lobanov, V. B., Makino, M., Na, G., Perry, R. I., Qiao, F., Rykaczewski, R. R., Saito, H., Therriault, T. W., Yoo, S., Batchelder, H. (2019). Developing a Social–Ecological–Environmental System Framework to Address Climate Change Impacts in the North Pacific. *Front. Mar. Sci.* 6:333. <https://doi.org/10.3389/fmars.2019.00333>

8. Sogawa, S., Hidaka, K., Kamimura, Y., Takahashi, M., Saito, H., Okazaki, Y., Shimizu, Y., Setou, T. (2019) Environmental characteristics of spawning and nursery grounds of Japanese sardine and mackerels in the Kuroshio and Kuroshio Extension area. *Fish Oceanogr.* 2019; 28: 454– 467.  
<https://doi.org/10.1111/fog.12423>
9. Saito, H. (2019) The Kuroshio: its recognition, scientific activities and emerging issues. In *Kuroshio Current* (eds T. Nagai, H. Saito, K. Suzuki and M. Takahashi) AGU-Wiley Geophysical Monograph 243, pp3-11, AGU and John Wiley and Sons, Hoboken, USA. <https://doi.org/10.1002/9781119428428.ch1>
10. Miyamoto, H., Vijai, D., Okazaki, Y., Saito, H. (2019) Feeding ecology of chaetognath *Flaccisagitta enflata* in Kuroshio region, western North Pacific. In *Kuroshio Current* (eds T. Nagai, H. Saito, K. Suzuki and M. Takahashi) AGU-Wiley Geophysical Monograph 243, pp245-256, AGU and John Wiley and Sons, Hoboken, USA. doi:10.1002/9781119428428.ch16
11. Okazaki, Y., Miyaoto, H., Suzuki, K., Saito, H., Hidaka, K., and Ichikawa, T. (2019), Diverse trophic pathways from zooplankton to larval and juvenile fishes in the Kuroshio ecosystem. In *Kuroshio Current* (eds T. Nagai, H. Saito, K. Suzuki and M. Takahashi) AGU-Wiley Geophysical Monograph 243, pp257-272, AGU and John Wiley and Sons, Hoboken, USA. doi: 10.1002/9781119428428.ch15
12. Isada, T., Hattori-Saito, A., Saito, H., Kondo, Y., Nishioka, J., Kuma, K., Hattori, H., McKay, R.M.L., Suzuki, K. (2019) Responses of phytoplankton assemblages to iron availability and mixing water masses during the spring bloom in the Oyashio region, NW Pacific. *Limnology and Oceanography*, 64, 194-216 doi: 10.1002/lno.11031
13. Shiozaki, T., Bombar, D., Riemann, L., Sato, M., Hashihama, F., Kodama, T., Tanita, I., Takeda, S., Saito, H., Hamasaki, K., Furuya, K. (2018). Linkage between dinitrogen fixation and primary production in the oligotrophic South Pacific Ocean, *Global Biogeochemical Cycles* 32, DOI: 10.1029/2017GB005869
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15. Cheung, S., K. Suzuki, H. Saito, Y. Umezawa, X. Xia, and H. Liu (2017) Highly heterogeneous diazotroph communities in the Kuroshio Current and the Tokara Strait, Japan. PLOS ONE, 12, e0186875, doi: 10.1371/journal.pone.0186875.
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17. Saito, H. (2016) Plankton Net. In: Guideline of Ocean Observations Volume 6, Plankton and Benthos, The Oceanographic Society of Japan, ISBN 978-4-908553-27-1, G601EN:001-009.
18. Ehama, M., Hashihama, F., Kinouchi, S., Kanda, J., Saito, H. (2016) Sensitive determination of total particulate phosphorus and particulate inorganic phosphorus in seawater using liquid waveguide spectrophotometry. Talanta 153, 66-70. doi:10.1016/j.talanta.2016.02.058
19. Sogawa, S., Sugisaki, H., Saito, H., Okazaki, Y., Ono, T., Shimode, S., Kikuchi, T. (2016) Seasonal and regional change in vertical distribution and diel vertical migration of four euphausiid species (*Euphausia pacifica*, *Thysanoessa inspinata*, *T. longipes*, and *Tessarabrachion oculatum*) in the northwestern Pacific. Deep Sea Research Part I: Oceanographic Research Papers 109, 1-9.
20. Blasiak, R, Pacheco, E., Furuya, K., Golden, C. D., Jauharee, A. R., Natori, Y., Saito, H., Sinan, H., Tanaka, T., Yagi, N., Yiu, E. 2016. Local and regional experiences with assessing and fostering ocean health. Marine Policy 71, 54-59.
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22. Yamashita, Y., Lu, C.-J., Ogawa, H., Nishioka, J., Obata, H., Saito, H. (2015) Application of in situ fluorometer for determining distribution of fluorescent

organic matter in the open ocean. *Marine Chemistry* 177, 295-305.

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34. Sogawa, S., Sugisaki, H., Saito, H., Okazaki, Y., Shimode, S., Kikuchi, T. 2013. Congruence between euphausiid community and water region in the northwestern Pacific. Particularly in the Oyashio-Kuroshio Mixed Water Region. *Journal of Oceanography* 69, 71-85 doi:10.1007/s10872-012-0158-0
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37. Suzuki, K., Kuwata, A., Yoshie, N., Shibata, A., Kawanobe, K., Saito, H. (2011) Population dynamics of phytoplankton, heterotrophic bacteria, and viruses during the spring bloom in the western subarctic Pacific. *Deep-Sea Research Part I.* 58, 575-589. [doi:10.1016/j.dsr.2011.03.003](https://doi.org/10.1016/j.dsr.2011.03.003)
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