

## Don Anderson- 2019 Journal Publications

- 2019 Sildever, S., Jerney J., Kremp A., Oikawa H., Sakamoto, S., Yamaguchi M., Baba K., Mori A., Fukui T., Nonomura T., Shinada A., Kuroda H., Mackenzie L., Anderson D.M. and Nagai, S. Genetic relatedness of a new Japanese isolates of *Alexandrium ostenfeldii* bloom population with global isolates. *Harmful Algae* 84: Pages 64-74. <https://doi.org/10.1016/j.hal.2019.02.005>
- 2019 Gao, Y., Sassenhagen, I., Richlen M.L., Anderson, D.M., Martin J. L. and Erdner, D. Spatiotemporal genetic structure of regional-scale *Alexandrium catenella* dinoflagellate blooms explained by extensive dispersal and environmental selection. *Harmful Algae* 86: Pages 46-54. <https://doi.org/10.1016/j.hal.2019.03.013>
- 2019 Clark, S., Hubbard K., Anderson D.M., McGillicuddy D.J. Jr., Ralston D., and Townsend M. Submitted for publication. Pseudo-nitzschia Bloom Dynamics in the Gulf of Maine: 2012-2016. In *Harmful Algae*. <https://doi.org/10.1016/j.hal.2019.101656>
- 2019 Shauna A Murray, Rendy Ruvindy, Gurjeet S. Kohli,, Donald M. Anderson, Michael L. Brosnahan. "Evaluation of sxtA and rDNA qPCR assays through monitoring of an inshore bloom of *Alexandrium catenella* Group 1" *Scientific Reports*. <https://doi.org/10.1038/s41598-019-51074-3>
- 2019 Ying Jia, Han Gao, Mengmeng Tong, Donald M. Anderson, "Cell cycle regulation of the mixotrophic dinoflagellate *Dinophysis acuminata*: Growth, photosynthetic efficiency and toxin production," *Harmful Algae*, Volume 89, 2019, <https://doi.org/10.1016/j.hal.2019.101672>.
- 2019 Brosnahan, Michael, Alexis Fischer, Cary Lopez, Stephanie Moore, and Donald Anderson. 2019. "Cyst-forming dinoflagellates in a warming climate", *Harmful Algae*: 101728. <https://doi.org/10.1016/j.hal.2019.101728>
- 2019 Dehwah, A. H. A., Anderson, D. M., Li, S., Mallon, F. L., Batang, Z., Alshahri, A. H., Hegy, M., and Missimer, T. M.: Transparent exopolymer particle binding of organic and inorganic particles in the Red Sea: Implications for downward transport of biogenic materials, *Biogeosciences Discuss*. <https://doi.org/10.5194/bg-2019-59>

## Don Anderson- 2018 Journal Publications

- 2018 Hou, J., Su, Y., Lin, W., Guo, H., Li, L., Anderson, D. M., Li, D., Tang, R., Chi, W., and Zhang, X. Estrogenic potency of MC-LR is induced via stimulating steroidogenesis: In vitro and in vivo evidence. *Environmental Pollution*, 240, 615-622. DOI: 10.1016/j.envpol.2018.04.140
- 2018 Jiang, H., Kulis, D., Brosnahan, M.L., and Anderson, D.M. Behavioral and mechanistic characteristics of the predator-prey interaction between the dinoflagellate *Dinophysis acuminata* and the ciliate *Mesodinium rubrum*. *Harmful Algae*, 77, 43-54.
- 2018 Duque, Y.L., Richlen, M.L., Smith, T.B., Anderson, D.M., and Erdner, D.L. Development and Validation of PCR-RFLP Assay for Identification of *Gambierdiscus* species in the Greater Caribbean region. *Journal of Applied Phycology*, pp. 1-12.
- 2018 Poli, M., Ruiz-Olvera, P., Nalca, A., Ruiz, S., Livingston, V., Frick, O., Dyer, D., Schellhase, C., Raymond, J., Kulis, D. and Anderson, D. Toxicity and pathophysiology of palytoxin congeners after intraperitoneal and aerosol administration in rats. *Toxicol*, 150, pp. 235-250.
- 2018 Zhou, J., Richlen, M.L., Sehein, T.R., Kulis, D.M., Anderson, D.M. and Cai, Z. Microbial community structure and associations during a marine dinoflagellate bloom. *Frontiers in microbiology*, 9. DOI: 10.3389/fmicb.2018.01201
- 2018 Fischer, A.D., Brosnahan, M.L., and Anderson, D.M. Quantitative Response of *Alexandrium catenella* Cyst Dormancy to Cold Exposure. *Protist*. Vol 169, pp.645-661. DOI: 10.1016/j.protis.2018.06.001
- 2018 Grizzle, R.E., Bricelj, V.M., AlShihi, R.M., Ward, K.M., and Anderson, D.M., Marine molluscs in nearshore habitats of the United Arab Emirates: Decadal changes and species of public health significance. *Journal of Coastal Research*, 34(5), 1157-1175. Coconut Creek (Florida), ISSN 0749-0208
- 2018 Azanza, R.V., Brosnahan, M. L., Anderson, D. M., Hense, I., and Montresor, M. The role of life cycle characteristics in harmful algal bloom dynamics. *Global Ecology and Oceanography of Harmful Algal Blooms*, 133-161.
- 2018 Lozano-Duque, Y., Richlen, M.L., Smith, T.B. et al. Development and validation of PCR-RFLP Assay for Identification of *Gambierdiscus* species in the greater Caribbean region. *J Appl Phycol* (2018) 6: 3529. DOI:10.1007/s10811-018-1491-5
- 2018 Armstrong C.T., Erdner D.L., McClelland J.W., Sanderson M.P., Anderson D.M., Gobler C.J., and Smith J.L. Impact of nitrogen chemical form on the isotope signature and toxicity of a marine dinoflagellate. *Mar Ecol Prog Ser* 602:63-76. DOI:10.3354/meps12619
- 2018 Smith, J.L., Tong, M., Kulis, D., and Anderson, D.M. Effect of ciliate strain, size, and nutritional content on the growth and toxicity of mixotrophic *Dinophysis acuminata*. *Harmful Algae* 78: Pages 95-105. DOI: 10.1016/j.hal.2018.08.001

## Don Anderson -- Journal Publications

- 2017 Lyu, Y., Richlen, M.L., Sehein, T.R., Chinain, M., Adachi, M., Nishimura, T., Xu, Y., Parsons, M.L., Smtih, T.B., Zheng, T., Anderson, D.M. LSU rDNA based RFLP assays for the routine identification of *Gambierdiscus* species. *Harmful Algae*, 66, pp. 20-28. <https://doi.org/10.1016/j.hal.2017.04.009>
- 2017 Choi, C.J., Brosnahan, M.L., Sehein, T.R., Anderson, D.M. and Erdner, D.L. Insights into the loss factors of phytoplankton blooms: The role of cell mortality in the decline of two inshore *Alexandrium* blooms. *Limnology and Oceanography*. <http://onlinelibrary.wiley.com/doi/10.1002/lno.10530/full>
- 2017 Gómez, F., Richlen, M.L. and Anderson, D.M. Molecular characterization and morphology of *Cochlodinium strangulatum*, the type species of *Cochlodinium*, and *Margalefidinium* gen. nov. for *C. polykrikoides* and allied species (Gymnodiniales, Dinophyceae). *Harmful Algae*, 63, pp.32-44. <https://doi.org/10.1016/j.hal.2017.01.008>
- 2017 Wang, R., Xue, Q., Wang, J., Tan, L., Zhang, Q., Zhao, Y. and Anderson, D.M. Effects of an allelochemical in *Phaeodactylum tricornutum* filtrate on *Heterosigma akashiwo*: morphological, physiological and growth effects. *Chemosphere*. <https://doi.org/10.1016/j.chemosphere.2017.08.024>
- 2017 Anderson D. M., S. Boerlage, M. Dixon. Preface. In Anderson D. M., S. Boerlage, M. Dixon. (Eds), *Harmful Algal Blooms (HABs) and Desalination: A Guide to Impacts, Monitoring and Management*. Paris, Intergovernmental Oceanographic Commission of UNESCO 2017. pp. 3-5. (IOC Manuals and Guides No.78.) (English.)
- 2017 Anderson, D.M. Harmful algal blooms. In: *Harmful algal blooms (HABs) and desalination: A guide to impacts, monitoring and management*. Anderson, D.M., Boerlage, S F. E., and M. Dixon (Eds.). Paris, Intergovernmental Oceanographic Commission of UNESCO 2017. (IOC Manuals and Guides No.78.)
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- 2017 Catania, D., Richlen, M.L., Mak, Y.L., Morton, S.L., Laban, E.H., Xu, Y., Anderson, D.M., Chan, L.L. and Berumen, M.L. The prevalence of benthic dinoflagellates associated with ciguatera fish poisoning in the central Red Sea. *Harmful Algae*, 68, pp.206-216
- 2017 Parsons, M., Brandt, A., Ellsworth, A., Leynse, A., Rains, L., and Anderson, D. M. Assessing the use of artificial substrates to monitor *Gambierdiscus* populations in the Florida Keys. *Harmful Algae*, 68, pp. 52-66
- 2016 Roncalli, V., J.T. Turner, D. Kulis, D.M. Anderson, P.H. Lenz. The effect of the toxic dinoflagellate *Alexandrium fundyense* on the fitness of the calanoid copepod *Calanus finmarchicus*. *Harmful Algae*, 51, pp.56-66
- 2016 Zhou, J., Y. Lyu, M. L. Richlen, D.M. Anderson, and Z. Cai. Quorum sensing is a language of chemical signals and plays an ecological role in algal-bacterial interactions. *Critical Reviews in Plant Sciences*.
- 2016 Bill, B.D., Moore, S.K., Hay, L.R., Anderson, D.M. and Trainer, V.L., 2016. Effects of temperature and salinity on the growth of *Alexandrium* (Dinophyceae) isolates from the Salish Sea. *Journal of Phycology* 52, 230-238.
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- 2015 Moore, S.K., B.D. Bill, L.R. Hay, J. Emenegger, K.C. Eldred, C.L. Greengrove, J.E. Masura, and D.M. Anderson. [Factors regulating excystment of \*Alexandrium\* in Puget Sound, WA, USA](#). *Harmful Algae* 43: 103-110.
- 2015 Villacorte, L.O., S.A. Alizadeh Tabatabai, D.M. Anderson, G.L. Amy, J.C. Schippers, and M.D. Kennedy. Seawater reverse osmosis desalination and (harmful) algal blooms. *Desalination*, 360, pp.61-80.
- 2015 Tong, M., J.L. Smith, D.M. Kulis, and D.M. Anderson. [Role of dissolved nitrate and phosphate in isolates of \*Mesodinium rubrum\* and toxin-producing \*Dinophysis acuminata\*](#). *Aquatic Microbial Ecology*, 75(2), p.169.
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- 2015 Wells M.L., V.L. Trainer, T.J. Smayda, B.S. Karlson, C.G. Trick, R.M. Kudela, A. Ishikaw, S. Bernard, A. Wulff, D.M. Anderson, W.P. Cochlan. [Harmful algal blooms and climate change: Learning from the past and present to forecast the future](#). *Harmful Algae*, 49, pp.68-93.
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