

 LI-192  

# Publications List

*This document contains a sampling of recent publications that reference LI-COR instrumentation and software. This list is provided for informational purposes only, and LI-COR neither endorses, nor makes any express or implied warranties with respect to any data included in these publications.*

---

- Araújo, P. G., J. M. C. Souza, C. B. Pasqualetti and N. S. Yokoya (2021). "Auxin and cytokinin combinations improve growth rates and protein contents in *Laurencia catarinensis* (Rhodophyta)." *Journal of Applied Phycology* 33(2): 1071-1079.
- Attard, K. M. and R. N. Glud (2020). "Estimating light-use efficiency of benthic habitats using underwater O<sub>2</sub> eddy covariance." *Biogeosciences* 17(16): 4343-4353.
- Attard, K. M., I. F. Rodil, P. Berg, A. O. M. Mogg, M. Westerborn, A. Norkko and R. N. Glud (2020). "Metabolism of a subtidal rocky mussel reef in a high-temperate setting: pathways of organic C flow." *Marine Ecology Progress Series* 645: 41-54.
- Attard, K. M., I. F. Rodil, P. Berg, J. Norkko, A. Norkko and R. N. Glud (2019). "Seasonal metabolism and carbon export potential of a key coastal habitat: The perennial canopy-forming macroalga *Fucus vesiculosus*." *Limnology and Oceanography* 64(1): 149-164.
- Attard, K. M., I. F. Rodil, R. N. Glud, P. Berg, J. Norkko and A. Norkko (2019). "Seasonal ecosystem metabolism across shallow benthic habitats measured by aquatic eddy covariance." *Limnology and oceanography letters* 4(3): 79-86.
- Bainbridge, S. (2019). "Use of Bayesian models to develop coral bleaching indices and forecasts from in-situ observations for the 2015–16 bleaching event." *Journal of Marine Systems* 198: 103187.
- Bélanger, D. and P. Gagnon (2021). "High growth resilience of subarctic rhodoliths (*Lithothamnion glaciale*) to ocean warming and chronic low irradiance." *Marine Ecology Progress Series* 663: 77-97.
- Belevich, T. A., L. V. Ilyash, A. B. Demidov and M. V. Flint (2019). "Picophytoplankton distribution at the Ob River section and in the western part of the Kara Sea." *Oceanology* 59(6): 871-880.
- Belevich, T. A., I. A. Milyutina, A. V. Troitsky and M. V. Flint (2020). "Picophytoplankton in Blagopoluchia Bay (Novaya Zemlya Archipelago) and Adjacent Part of the Kara Sea." *Oceanology* 60(4): 473-482.
- Benelli, S., M. Bartoli, M. Zilius, I. Vybernaite-Lubiene, T. Ruginis, D. Vaiciute, J. Petkuviene and E. A. Fano (2019). "Stoichiometry of regenerated nutrients differs between native and invasive freshwater mussels with implications for algal growth." *Freshwater Biology* 64(4): 619-631.
- Blain, C. O., T. A. V. Rees, S. Christine Hansen and N. T. Shears (2020). "Morphology and photosynthetic response of the kelp *Ecklonia radiata* across a turbidity gradient." *Limnology and Oceanography* 65(3): 529-544.
- Blain, C. O. and N. T. Shears (2019). "Seasonal and spatial variation in photosynthetic response of the kelp *Ecklonia radiata* across a turbidity gradient." *Photosynthesis research* 140(1): 21-38.
- Blain, C. O. and N. T. Shears (2020). "Differential response of forest-forming seaweeds to elevated turbidity may facilitate ecosystem shifts on temperate reefs." *Marine Ecology Progress Series* 641: 63-77.
- Blain, C. O. and N. T. Shears (2020). "Differential response of forest-forming seaweeds to elevated turbidity may facilitate ecosystem shifts on temperate reefs." *Marine Ecology Progress Series* 641: 63-77.
- Blain, C. O. and N. T. Shears (2020). "Nutrient enrichment offsets the effects of low light on growth of the kelp *Ecklonia radiata*." *Limnology and Oceanography* 65(9): 2220-2235.
- Blonquist Jr, J. M. and M. A. Isaac (2018). Underwater accuracy of Apogee quantum sensors, Apogee Instruments Research Report, published online May 2018 (<https://www.apogeeinstruments.com/underwater-accuracy-of-apogee-quantum-sensors>).
- Borlongan, I. A., R. Arita, G. N. Nishihara and R. Terada (2020). "The effects of temperature and irradiance on the photosynthesis of two heteromorphic life history stages of *Saccharina japonica* (Laminariales) from Japan." *Journal of Applied Phycology* 32(6): 4175-4187.
- Borlongan, I. A., S. Suzuki, G. N. Nishihara, J. Kozono and R. Terada (2020). "Effects of light quality and temperature on the photosynthesis and pigment content of a subtidal edible red alga *Meristotheca papulosa* (Solieriaceae, Gigartinales) from Japan."

- Journal of Applied Phycology: 1-12.
- Britton, D., M. Schmid, F. Noisette, J. N. Havenhand, E. R. Paine, C. M. McGraw, A. T. Revill, P. Virtue, P. D. Nichols and C. N. Mundy (2020). "Adjustments in fatty acid composition is a mechanism that can explain resilience to marine heatwaves and future ocean conditions in the habitat-forming seaweed *Phyllospora comosa* (Labillardière) C. Agardh." *Global change biology* 26(6): 3512-3524.
- Broman, E., M. Zilius, A. Samuiloviene, I. Vybernaite-Lubiene, T. Politi, I. Klawonn, M. Voss, F. J. A. Nascimento and S. Bonaglia (2021). "Active DNRA and denitrification in oxic hypereutrophic waters." *Water research* 194: 116954.
- Brzozowski, M. I., M. P. Cabanilles, G. Kowalewski and M. Pełlechaty (2019). "Environmental factors responsible for the gyrogonite formation by an endangered macroalga, *Lychnothamnus barbatus*, a fertility indicator of past and present lacustrine ecosystems." *Limnologia* 77: 125686.
- Brzozowski, M. I. and M. Pełlechaty (2020). "Broad morphological and reproductive variability of the endangered macroalga *Lychnothamnus barbatus* in the depth gradient." *Aquatic Botany* 165: 103239.
- Buraschi, F. B., F. P. O. Mollard, A. A. Grimoldi and G. G. Striker (2020). "Eco-physiological traits related to recovery from complete submergence in the model legume *Lotus japonicus*." *Plants* 9(4): 538.
- Camilleri, A. C. and T. Ozersky (2019). "Large variation in periphyton  $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$  values in the upper Great Lakes: Correlates and implications." *Journal of Great Lakes Research* 45(5): 986-990.
- Camillini, N., K. M. Attard, B. D. Eyre and R. N. Glud (2021). "Resolving community metabolism of eelgrass *Zostera marina* meadows by benthic flume-chambers and eddy covariance in dynamic coastal environments." *Marine Ecology Progress Series* 661: 97-114.
- Camillini, N., K. M. Attard, B. D. Eyre and R. N. Glud (2021). "Resolving community metabolism of eelgrass *Zostera marina* meadows by benthic flume-chambers and eddy covariance in dynamic coastal environments." *Marine Ecology Progress Series* 661: 97-114.
- Camp, E. F., J. Edmondson, A. Doheny, J. Rumney, A. J. Grima, A. Huete and D. J. Suggett (2019). "Mangrove lagoons of the Great Barrier Reef support coral populations persisting under extreme environmental conditions." *Marine Ecology Progress Series* 625: 1-14.
- Campana, G. L., K. Zacher, D. Deregibus, F. R. Momo, C. Wiencke and M. L. Quartino (2018). "Succession of Antarctic benthic algae (Potter Cove, South Shetland Islands): structural patterns and glacial impact over a four-year period." *Polar Biology* 41(2): 377-396.
- Camus, C., J. Infante and A. H. Buschmann (2018). "Overview of 3 year precommercial seafarming of *Macrocystis pyrifera* along the Chilean coast." *Reviews in Aquaculture* 10(3): 543-559.
- Cao, Y., Y. Liu, L. Ndirangu, W. Li, L. Xian and H. S. Jiang (2019). "The analysis of leaf traits of eight *Ottelia* populations and their potential ecosystem functions in Karst freshwaters in China." *Frontiers in plant science* 9: 1938.
- Cao, Y., Y. Zhi, E. Jeppesen and W. Li (2019). "Species-specific responses of submerged macrophytes to simulated extreme precipitation: a mesocosm study." *Water* 11(6): 1160.
- Capuzzo, E., C. P. Lynam, J. Barry, D. Stephens, R. M. Forster, N. Greenwood, A. McQuatters-Gollop, T. Silva, S. M. van Leeuwen and G. H. Engelhard (2018). "A decline in primary production in the North Sea over 25 years, associated with reductions in zooplankton abundance and fish stock recruitment." *Global change biology* 24(1): e352-e364.
- Castro, J. Z. and N. S. Yokoya (2019). "Growth and biochemical responses of tropical and subtropical strains of *Gracilaria domingensis* (Gracilariales, Rhodophyta) to temperature and irradiance variations." *Journal of Applied Phycology* 31(1): 607-613.
- Chandan, P. (2018). Evaluating the Application of Photochemical Mass-Independent Fractionation of Mercury (Hg) in Natural Systems PhD Thesis.
- Chiu, C.-Y., J. R. Jones, J. A. Rusak, H.-C. Lin, K. Nakayama, T. K. Kratz, W.-C. Liu, S.-L. Tang and J.-W. Tsai (2020). "Terrestrial loads of dissolved organic matter drive inter-annual carbon flux in subtropical lakes during times of drought." *Science of the Total Environment* 717: 137052.
- Chow, G. S. E., Y. K. S. Chan, S. S. Jain and D. Huang (2019). "Light limitation selects for depth generalists in urbanised reef coral communities." *Marine environmental research* 147: 101-112.
- Cimon, S. (2020). Effets simples et cumulés des

- perturbations et des stress multiples sur les communautés benthiques intertidales: rôle des macrophytes PhD Thesis, Université du Québec à Chicoutimi.
- Cimon, S., A. Deslauriers and M. Cusson (2021). "Multiple stressors and disturbance effects on eelgrass and epifaunal macroinvertebrate assemblage structure." *Marine Ecology Progress Series* 657: 93-108.
- Cimon, S., A. Deslauriers and M. Cusson (2021). "Multiple stressors and disturbance effects on eelgrass and epifaunal macroinvertebrate assemblage structure." *Marine Ecology Progress Series* 657: 93-108.
- Claquin, P., M. Rene-Trouillefou, P. J. Lopez, A. Japaud, Y. Bouchon-Navaro, S. Cordonnier and C. Bouchon (2021). "Singular physiological behavior of the scleractinian coral *Porites astreoides* in the dark phase." *Coral Reefs* 40(1): 139-150.
- Cohen, A. P. (2019). Comparative limnology of high-elevation lakes and reservoirs and their downstream effects PhD Thesis, UC Santa Barbara.
- Coppede Cussioli, M. (2018). Ecological effects of turbidity variations in and around dredging areas in the Port of Tauranga PhD Thesis, The University of Waikato.
- Coppede Cussioli, M. (2018). Ecological effects of turbidity variations in and around dredging areas in the Port of Tauranga PhD Thesis, The University of Waikato.
- Cummings, K. E., R. R. Ruzicka, K. Semon-Lunz, J. Brenner, K. L. Goodin and K. W. Ames (2018). "Ecological resilience indicators for coral ecosystems." *Ecological Resilience Indicators for Five Northern Gulf of Mexico Ecosystems*, eds KL Goodin, D. Faber-Langendoen, J. Breener, ST Allen, RH Day, VM Congdon, C. Shepard, KE Cummings, CL Stagg, CA Gabler, M. Osland, K. H. Dunton, RR Ruzicka, K. Semon-Lunz, D. Reed, and M. Love (Arlington, VA: NatureServe) 71.
- Cummings, K. E., R. R. Ruzicka, K. Semon-Lunz, J. Brenner, K. L. Goodin and K. W. Ames (2018). "Ecological resilience indicators for coral ecosystems." *Ecological Resilience Indicators for Five Northern Gulf of Mexico Ecosystems*, eds KL Goodin, D. Faber-Langendoen, J. Breener, ST Allen, RH Day, VM Congdon, C. Shepard, KE Cummings, CL Stagg, CA Gabler, M. Osland, K. H. Dunton, RR Ruzicka, K. Semon-Lunz, D. Reed, and M. Love (Arlington, VA: NatureServe) 71.
- Cussioli, M. C., K. R. Bryan, C. A. Pilditch, W. P. de Lange and K. Bischof (2019). "Light penetration in a temperate meso-tidal lagoon: implications for seagrass growth and dredging in Tauranga Harbour, New Zealand." *Ocean & Coastal Management* 174: 25-37.
- Davis, K. L., A. McMahon, R. E. Correa and I. R. Santos (2020). "Calcification and organic productivity at the world's southernmost coral reef." *Marine Chemistry* 227: 103870.
- De Vincenzi, M. and G. Fasano "MONITORING COASTAL AREAS: A BRIEF HISTORY OF MEASURING INSTRUMENTS FOR SOLAR RADIATION."
- Demidov, A. B., V. I. Gagarin, E. G. Arashkevich, P. N. Makkaveev, I. V. Konyukhov, O. V. Vorobieva and A. V. Fedorov (2019). "Spatial variability of primary production and chlorophyll in the Laptev Sea in August–September." *Oceanology* 59(5): 678-691.
- Demidov, A. B., V. I. Gagarin, V. A. Artemiev, E. G. Arashkevich, P. N. Makkaveev, S. A. Shchuka, A. N. Khrapko, A. V. Grigoriev, O. V. Vorobieva and I. V. Konyukhov (2020). "Vertical Variability of Primary Production and Features of the Subsurface Chlorophyll Maximum in the Laptev Sea in August–September, 2015, 2017, and 2018." *Oceanology* 60(2): 189-204.
- Devlin, M., A. Smith, C. A. Graves, C. Petus, D. Tracey, M. Maniel, E. Hooper, K. Kotra, E. Samie and D. Loubser (2020). "Baseline assessment of coastal water quality, in Vanuatu, South Pacific: Insights gained from in-situ sampling." *Marine Pollution Bulletin* 160: 111651.
- DiPerna, S., M. Hoogenboom, S. Noonan and K. Fabricius (2018). "Effects of variability in daily light integrals on the photophysiology of the corals *Pachyseris speciosa* and *Acropora millepora*." *PloS one* 13(9): e0203882.
- Ennasr, O., C. Holbrook, D. W. Hondorp, C. C. Krueger, D. Coleman, P. Solanki, J. Thon and X. Tan (2020). "Characterization of acoustic detection efficiency using a gliding robotic fish as a mobile receiver platform." *Animal Biotelemetry* 8(1): 1-13.
- Espmark, A. M. O., C. Noble, J. Kolarevic, G. M. Berge, G. H. Aas, S. A. Tuene, M. H. Iversen, H. I. Wergeland, L.-H. Johansen and E. Burgerhout (2019). "Velferd hos rensefisk-operative velferdsindikatorer (OVI)-RENSVEL." *Nofima rapportserie*.

- Espmark, A. M. O., C. Noble, J. Kolarevic, G. M. Berge, G. H. Aas, S. A. Tuene, M. H. Iversen, H. I. Wergeland, L.-H. Johansen and E. Burgerhout (2020). "Velferd hos rensefisk–operative velferdsindikatorer (OVI)–RENSVEL. Revidert utgave av rapport 12/2019." Nofima rapportserie.
- Evans, J. R. and M. L. Vis (2020). "Relative expression analysis of light-harvesting genes in the freshwater alga *Lymnaea mucosa* (Batrachospermales, Rhodophyta)." *Journal of phycology* 56(2): 540-548.
- Evensen, N. R., M. Fine, G. Perna, C. R. Voolstra and D. J. Barshis (2021). "Remarkably high and consistent tolerance of a Red Sea coral to acute and chronic thermal stress exposures." *Limnology and Oceanography* 66(5): 1718-1729.
- Fernández, P. A., J. D. Gaitán-Espitia, P. P. Leal, M. Schmid, A. T. Revill and C. L. Hurd (2020). "Nitrogen sufficiency enhances thermal tolerance in habitat-forming kelp: implications for acclimation under thermal stress." *Scientific reports* 10(1): 1-12.
- Fukumoto, R., I. A. Borlongan, G. N. Nishihara, H. Endo and R. Terada (2018). "Photosynthetic responses to photosynthetically active radiation and temperature including chilling-light stress on the heteromorphic life history stages of a brown alga, *Cladosiphon okamuranus* (Chordariaceae) from Ryukyu Islands, Japan." *Phycological Research* 66(3): 209-217.
- Fukumoto, R., I. A. Borlongan, G. N. Nishihara, H. Endo and R. Terada (2019). "Effect of photosynthetically active radiation and temperature on the photosynthesis of two heteromorphic life history stages of a temperate edible brown alga, *Cladosiphon umezakii* (Chordariaceae, Ectocarpales), from Japan." *Journal of Applied Phycology* 31(2): 1259-1270.
- Gaskill, J. A., T. D. Harris and R. L. North (2020). "Phytoplankton Community Response to Changes in Light: Can Glacial Rock Flour Be Used to Control Cyanobacterial Blooms?" *Frontiers in Environmental Science*.
- Guan, J., C. A. Jacoby and T. K. Frazer (2020). "Light attenuation by periphyton on *Vallisneria americana*." *Ecological Indicators* 116: 106498.
- Gutierrez, M. F., N. R. Simões, D. Frau, M. Saigo and M. Licursi (2020). "Responses of stream zooplankton diversity metrics to eutrophication and temporal environmental variability in agricultural catchments." *Environmental Monitoring and Assessment* 192(12): 1-17.
- Hammer, K. J., J. Borum, H. Hasler-Sheetal, E. C. Shields, K. Sand-Jensen and K. A. Moore (2018). "High temperatures cause reduced growth, plant death and metabolic changes in eelgrass *Zostera marina*." *Marine Ecology Progress Series* 604: 121-132.
- Hansen, S. (2019). The erosion of kelp forest resilience in an increasingly turbid environment PhD Thesis, ResearchSpace@ Auckland.
- Haraguchi, H., N. Murase, Z. Imoto and K. Okuda (2018). "Culture and field studies on the temperature related growth rates of a tropical Sargassum species, *Sargassum ilicifolium* (Turner) C. Agardh in Kochi Prefecture, southwestern Japan." *Algal Resources* 11(1+ 2): 1-10.
- Harrison, S., A. Oest, H. Wu and C. Ramsey (2020). "Assessment of Ecosystem Management Strategies and Stakeholder Needs for Harmful Algal Blooms in the Great Lakes."
- Hoffmann, R. (2018). Organic carbon fluxes in polar oceans: Subject to changing ice conditions and related secondary effects PhD Thesis, Universität Bremen.
- Hoffmann, R., A. Y. Al-Handal, A. Wulff, D. Deregisbus, K. Zacher, M. L. Quartino, F. Wenzhöfer and U. Braeckman (2019). "Implications of glacial melt-related processes on the potential primary production of a microphytobenthic community in Potter Cove (Antarctica)." *Frontiers in Marine Science* 6: 655.
- Hohenegger, J., S. Kinoshita, A. Briguglio, W. Eder and J. Wöger (2019). "Lunar cycles and rainy seasons drive growth and reproduction in nummulitid foraminifera, important producers of carbonate buildups." *Scientific reports* 9(1): 1-16.
- Howells, E. J., G. Dunshea, D. McParland, G. O. Vaughan, S. F. Heron, M. S. Pratchett, J. A. Burt and A. G. Bauman (2018). "Species-specific coral calcification responses to the extreme environment of the southern Persian Gulf." *Frontiers in Marine Science* 5: 56.
- Hu, Q., M. Turnbull and I. Hawes (2019). "Estimated light compensation depth explains growth of *Stuckenia pectinata* in Te Waihora." *Aquatic Botany* 156: 57-64.
- Hu, Q., M. Turnbull and I. Hawes (2019). "Salinity restricts light conversion efficiency during photo-acclimation to high irradiance in *Stuckenia pectinata*." *Environmental and Experimental Botany* 165: 83-91.
- Huang, J., H. Franklin, P. R. Teasdale, M. A. Burford, N.



- R. Kankanamge, W. W. Bennett and D. T. Welsh (2019). "Comparison of DET, DGT and conventional porewater extractions for determining nutrient profiles and cycling in stream sediments." *Environmental Science: Processes & Impacts* 21(12): 2128-2140.
- Huang, J., H. Franklin, P. R. Teasdale, M. A. Burford, N. R. Kankanamge, W. W. Bennett and D. T. Welsh (2019). "Comparison of DET, DGT and conventional porewater extractions for determining nutrient profiles and cycling in stream sediments." *Environmental Science: Processes & Impacts* 21(12): 2128-2140.
- Huffmyer, A. S., C. Drury, E. Majerová, J. D. Lemus and R. D. Gates (2021). "Tissue fusion and enhanced genotypic diversity support the survival of *Pocillopora acuta* coral recruits under thermal stress." *Coral Reefs* 40(2): 447-458.
- Huffmyer, A. S., C. J. Johnson, A. M. Epps, J. D. Lemus and R. D. Gates (2021). "Feeding and thermal conditioning enhance coral temperature tolerance in juvenile *Pocillopora acuta*." *Royal Society open science* 8(5): 210644.
- Hughes, M. H. (2018). "Reproducción a partir de esporas de *Gigartina skottsbergii* y *Sarcothalia crispata* (Rhodophyta) de la Patagonia argentina y aplicación farmacéutica de sus carragenanos."
- Imbeau, E. (2019). Réserves de carbone organique nouvellement révélées dans la glace des lacs nordiques PhD Thesis, Université du Québec à Chicoutimi.
- Imbeau, E. (2019). Réserves de carbone organique nouvellement révélées dans la glace des lacs nordiques PhD Thesis, Université du Québec à Chicoutimi.
- Iraburu Zulaica, D. (2019). KdUINO Pro: Módulo de integración de sensores de bajo coste y bajo consumo para entorno acuático Master's Thesis, Universitat Politècnica de Catalunya.
- Iraburu Zulaica, D. (2019). KdUINO Pro: Módulo de integración de sensores de bajo coste y bajo consumo para entorno acuático Master's Thesis, Universitat Politècnica de Catalunya.
- Ito, T., I. A. Borlongan, G. N. Nishihara, H. Endo and R. Terada (2021). "The effects of irradiance, temperature, and desiccation on the photosynthesis of a brown alga, *Sargassum muticum* (Fucales), from a native distributional range in Japan." *Journal of Applied Phycology* 33(3): 1777-1791.
- Iturralde Elortegui, M. D. R. M. (2018). Respuesta de agropiro alargado de diferentes niveles de inundación durante etapas tempranas de desarrollo PhD Thesis, EEA Balcarce.
- Jones, R., R. Fisher, D. Francis, W. Klonowski, H. Luter, A. Negri, M. C. Pineda, G. Ricardo and M. Slivkoff (2020). "Risk assessing dredging activities in shallow-water mesophotic reefs." *National Environmental Science Programme Project 2*(9).
- Jones, R., R. Fisher, D. Francis, W. Klonowski, H. Luter, A. Negri, M. C. Pineda, G. Ricardo and M. Slivkoff (2020). "Risk assessing dredging activities in shallow-water mesophotic reefs." *National Environmental Science Programme Project 2*(9).
- Jones, R., N. Giofre, H. M. Luter, T. L. Neoh, R. Fisher and A. Duckworth (2020). "Responses of corals to chronic turbidity." *Scientific reports* 10(1): 1-13.
- Kameyama, R., G. N. Nishihara, C. Kawagoe and R. Terada (2021). "The effects of four stressors, irradiance, temperature, desiccation, and salinity on the photosynthesis of a red alga, *Agarophyton vermiculophyllum* (Gracilariales) from a native distributional range in Japan." *Journal of Applied Phycology*: 1-15.
- Kang, M.-R., J.-H. Min, J. Choi, S. Park, C. Shin, D. Kong and H. S. Kim (2018). "A study on the light extinction characteristics in the main channel of Nakdong river by monitoring underwater irradiance in summer." *Journal of Korean Society on Water Environment* 34(6): 632-641.
- Kari, E., A. Jutila, A. Friedrichs, M. Leppäranta and S. Kratzer (2020). "Measurements of light transfer through drift ice and landfast ice in the northern Baltic Sea." *Oceanologia* 62(3): 347-363.
- Knopik, J. M. and R. M. Newman (2018). "Transplanting aquatic macrophytes to restore the littoral community of a eutrophic lake after the removal of common carp." *Lake and Reservoir Management* 34(4): 365-375.
- Koopmans, D., M. Holtappels, A. Chennu, M. Weber and D. d. Beer (2018). "The response of seagrass (*Posidonia oceanica*) meadow metabolism to CO<sub>2</sub> levels and hydrodynamic exchange determined with aquatic eddy covariance." *Biogeosciences Discussions*: 1-23.
- Koopmans, D., M. Holtappels, A. Chennu, M. Weber and

- D. de Beer (2020). "High net primary production of Mediterranean seagrass (*Posidonia oceanica*) meadows determined with aquatic eddy covariance." *Frontiers in marine science* 7.
- Koopmans, D., M. Holtappels, A. Chennu, M. Weber and D. de Beer (2020). "High net primary production of Mediterranean seagrass (*Posidonia oceanica*) meadows determined with aquatic eddy covariance." *Frontiers in marine science* 7.
- Kopelevich, O., S. Sheberstov and S. Vazyulya (2020). "Effect of a Coccolithophore Bloom on the Underwater Light Field and the Albedo of the Water Column." *Journal of Marine Science and Engineering* 8(6): 456.
- Kozono, J., G. N. Nishihara, H. Endo and R. Terada (2020). "Photosynthetic activity in two heteromorphic life-history stages of a freshwater red alga, *Thorea gaudichaudii* (Thoreales) from Japan, in response to an irradiance and temperature gradient." *Phycological Research* 68(3): 191-202.
- Kozono, J., G. N. Nishihara, H. Endo and R. Terada (2020). "The temperature and light responses on the photosynthesis of two freshwater red algae, *Virescentia helminthosa* and *Sheathia arcuata* (Batrachospermaceae), from Japan." *Journal of Applied Phycology*: 1-12.
- Kumar, A., C. Cooper, C. M. Remillard, S. Ghosh, A. Haney, F. Braun, Z. Conner, B. Page, K. Boyd and S. Wilde (2019). "Spatiotemporal monitoring of hydrilla [*Hydrilla verticillata* (L. f.) Royle] to aid management actions." *Weed Technology* 33(3): 518-529.
- Kvernvik, A. C., C. J. M. Hoppe, M. Greenacre, S. Verbiest, J. M. Wiktor, T. M. Gabrielsen, M. Reigstad and E. Leu (2021). "Arctic sea ice algae differ markedly from phytoplankton in their ecophysiological characteristics." *Marine Ecology Progress Series* 666: 31-55.
- Lamit, N. and Y. Tanaka (2019). "Species-specific distribution of intertidal seagrasses along environmental gradients in a tropical estuary (Brunei Bay, Borneo)." *Regional Studies in Marine Science* 29: 100671.
- Larsen, M. L., H. M. Baulch, S. L. Schiff, D. F. Simon, S. Sauvé and J. J. Venkiteswaran (2020). "Extreme rainfall drives early onset cyanobacterial bloom." *FACETS*.
- Li, Y., S. L. Meseck, M. S. Dixon and G. H. Wikfors (2018). "The East River tidal strait, New York City, New York, a high-nutrient, low-chlorophyll coastal system." *International Aquatic Research* 10(1): 65-77.
- Lim, S. M., N. Wong and A. Arshad (2020). "Effect of light sources and intensities on the growth of propagated corals *Dipsastraea pallida* (Dana, 1846) and *Dipsastraea speciosa* (Dana, 1846)." *growth* 2: 1.
- Lund-Hansen, L. C., I. Hawes, K. Hancke, N. Salmansen, J. R. Nielsen, L. Balslev and B. K. Sorrell (2020). "Effects of increased irradiance on biomass, photobiology, nutritional quality, and pigment composition of Arctic sea ice algae." *Marine Ecology Progress Series* 648: 95-110.
- Luter, H. M., M.-C. Pineda, G. Ricardo, D. S. Francis, R. Fisher and R. Jones (2021). "Assessing the risk of light reduction from natural sediment resuspension events and dredging activities in an inshore turbid reef environment." *Marine Pollution Bulletin* 170: 112536.
- Machado, L. P., E. Stefanello, D. X. Andregretti, L. Zambotti-Villela, P. Colepicolo, L. R. de Carvalho and N. S. Yokoya (2019). "Effects of bromide-enriched natural seawater culture medium on protein and monoterpenes output of *Ochtodes secundiramea* (Rhodophyta, Gigartinales)." *Journal of Applied Phycology* 31(6): 3831-3839.
- Mackey, T. J., D. Y. Sumner, I. Hawes, S. Z. Leidman, D. T. Andersen and A. D. Jungblut (2018). "Stromatolite records of environmental change in perennially ice-covered Lake Joyce, McMurdo Dry Valleys, Antarctica." *Biogeochemistry* 137(1): 73-92.
- Manolaki, P., M. B. Mouridsen, E. Nielsen, A. Olesen, S. M. Jensen, T. L. Lauridsen, A. Baattrup-Pedersen, B. K. Sorrell and T. Riis (2020). "A comparison of nutrient uptake efficiency and growth rate between different macrophyte growth forms." *Journal of Environmental Management* 274: 111181.
- Mansoori, M. (2020). "Effects of sole and combinations of amber, red, and blue LEDs on plant growth at low to high photosynthetic photon flux."
- Manzur, M. E., A. A. Grimoldi and G. G. Striker (2020). "The forage grass *Paspalum dilatatum* tolerates partial but not complete submergence caused by either deep water or repeated defoliation." *Crop and Pasture Science* 71(2): 190-198.
- María del Rosario, M., G. D. Berone, G. G. Striker, M. J. Martinefsky, M. G. Monterubbianesi and S. G. Assuero (2020). "Anatomical, morphological and growth

- responses of *Thinopyrum ponticum* plants subjected to partial and complete submergence during early stages of development." *Functional Plant Biology* 47(8): 757-768.
- Marks, L. M., D. C. Reed and S. J. Holbrook (2020). "Niche complementarity and resistance to grazing promote the invasion success of sargassum *horneri* in North America." *Diversity* 12(2): 54.
- Martin, B. C., J. Bougoure, M. H. Ryan, W. W. Bennett, T. D. Colmer, N. K. Joyce, Y. S. Olsen and G. A. Kendrick (2019). "Oxygen loss from seagrass roots coincides with colonisation of sulphide-oxidising cable bacteria and reduces sulphide stress." *The ISME journal* 13(3): 707-719.
- Mason, R. A. B. (2018). "Coral responses to temperature, irradiance and acidification stress: linking physiology to satellite remote sensing."
- Massé, S., M. Botrel, D. A. Walsh and R. Maranger (2019). "Annual nitrification dynamics in a seasonally ice-covered lake." *PloS one* 14(3): e0213748.
- Matys, E. D., T. Mackey, C. Grettenberger, E. Mueller, A. Jungblut, D. Y. Sumner, I. Hawes and R. E. Summons (2019). "Environmental controls on bacterioplanepolyol profiles of benthic microbial mats from Lake Fryxell, Antarctica." *Geobiology* 17(5): 551-563.
- McCormick, A. R., J. S. Phillips, J. C. Botsch and A. R. Ives (2021). "Shifts in the partitioning of benthic and pelagic primary production within and across summers in Lake Mývatn, Iceland." *Inland Waters* 11(1): 13-28.
- McCormick, A. R., J. S. Phillips and A. R. Ives (2019). "Responses of benthic algae to nutrient enrichment in a shallow lake: Linking community production, biomass, and composition." *Freshwater Biology* 64(10): 1833-1847.
- Mohn, A. M. (2018). Optimal response to lousy circumstances: The impact of salmon lice (*Lepeophtheirus salmonis*) on depth preference of sea trout (*Salmo trutta*) Master's Thesis, The University of Bergen.
- Mohn, A. M., K. W. Vollset and E. Karlsbakk (2020). "Making the best of lousy circumstances: the impact of salmon louse *Lepeophtheirus salmonis* on depth preference of sea trout *Salmo trutta*." *Aquaculture Environment Interactions* 12: 215-229.
- Moisset, S. A. M., D. J. E. Cabanes, S. Blanco-Ameijeiras and C. S. Hassler (2019). "Response of phytoplankton from the metalimnetic chlorophyll maximum to macro-and micro-nutrients amendments in Lake Geneva." *Journal of Great Lakes Research* 45(2): 290-299.
- Nguyen, H. T. T. (2019). The ecophysiology of coralline algae in southern New Zealand PhD Thesis, University of Otago.
- Nitschke, M. R., S. G. Gardner, S. Goyen, L. Fujise, E. F. Camp, P. J. Ralph and D. J. Suggett (2018). "Utility of photochemical traits as diagnostics of thermal tolerance amongst great barrier reef corals." *Frontiers in Marine Science* 5: 45.
- Nydahl, A. C., M. B. Wallin, L. J. Tranvik, C. Hiller, K. Attermeier, J. A. Garrison, F. Chaguaceda, K. Scharnweber and G. A. Weyhenmeyer (2019). "Colored organic matter increases CO<sub>2</sub> in meso-eutrophic lake water through altered light climate and acidity." *Limnology and Oceanography* 64(2): 744-756.
- Olesen, A., S. M. Jensen, A. B. Alnoee, A. Baattrup-Pedersen, T. L. Lauridsen, B. K. Sorrell and T. Riis (2018). "Nutrient kinetics in submerged plant beds: A mesocosm study simulating constructed drainage wetlands." *Ecological Engineering* 122: 263-270.
- Paar, M., M. Berthold, R. Schumann, S. Dahlke and I. Blindow (2021). "Seasonal variation in biomass and production of the macrophytobenthos in two lagoons in the Southern Baltic Sea."
- Pacherres, C. O., S. Ahmerkamp, G. M. Schmidt-Grieb, M. Holtappels and C. Richter (2020). "Ciliary vortex flows and oxygen dynamics in the coral boundary layer." *Scientific reports* 10(1): 1-10.
- Page, T. M., E. Bergstrom and G. Diaz-Pulido (2021). "Acclimation history of elevated temperature reduces the tolerance of coralline algae to additional acute thermal stress." *Frontiers in Marine Science* 8: 511.
- Page, T. M. and G. Diaz-Pulido (2020). "Plasticity of adult coralline algae to prolonged increased temperature and p CO<sub>2</sub> exposure but reduced survival in their first generation." *PloS one* 15(6): e0235125.
- Page, T. M., C. McDougall, I. Bar and G. Diaz-Pulido (2021). "Transcriptomic stability or lability explains sensitivity to climate stressors in coralline algae." *bioRxiv*.
- Page, T. M., C. McDougall, I. Bar and G. Diaz-Pulido (2021). "Transcriptomic stability or lability explains sensitivity to climate stressors in coralline algae."

- bioRxiv.
- Pavlov, A. K., E. Leu, D. Hanelt, I. Bartsch, U. Karsten, S. R. Hudson, J.-C. Gallet, F. Cottier, J. H. Cohen and J. Berge (2019). The underwater light climate in Kongsfjorden and its ecological implications. The Ecosystem of Kongsfjorden, Svalbard, Springer: 137-170.
- Perkins, S. (2019). "Going beneath the surface: The ecology of metalimnetic cyanobacteria layers in three New Hampshire Lakes."
- Perng, L. (2019). The Combined Effects of Ocean Acidification with Fleshy Macroalgae and Filamentous Turfs on Tropical Crustose Coralline Algae PhD Thesis, California State University, Northridge.
- Perng, L. (2019). The Combined Effects of Ocean Acidification with Fleshy Macroalgae and Filamentous Turfs on Tropical Crustose Coralline Algae PhD Thesis, California State University, Northridge.
- Phillips, J. S. (2020). "Time-varying responses of lake metabolism to light and temperature." *Limnology and Oceanography* 65(3): 652-666.
- Phillips, J. S., A. R. McCormick, J. C. Botsch and A. R. Ives (2021). "Dependence of an aquatic insect population on contemporaneous primary production." bioRxiv.
- Phillips, J. S., A. R. McCormick, Á. Einarsson, S. N. Grover and A. R. Ives (2019). "Spatiotemporal variation in the sign and magnitude of ecosystem engineer effects on lake ecosystem production." *Ecosphere* 10(6): e02760.
- Pierce, D. E. (2018). "Massachusetts Division of Marine Fisheries 2010 to 2016 HubLine Eelgrass Restoration Final Report."
- Pikosz, M. (2019). "Interakcje między zielenicami nitkowatymi: różnicowanie taksonomiczne oraz efekty ekologiczne i biochemiczne."
- Politi, T., M. Zilius, M. Bartoli and M. Bučas (2021). "Amphipods' grazing and excretion loop facilitates *Chara contraria* persistence in a eutrophic lagoon." *Aquatic Botany* 171: 103378.
- Porter, E. T., H. Franz and R. Lacouture (2018). "Impact of Eastern oyster *Crassostrea virginica* biodeposit resuspension on the seston, nutrient, phytoplankton, and zooplankton dynamics: a mesocosm experiment." *Marine Ecology Progress Series* 586: 21-40.
- Porter, E. T., E. Robins, S. Davis, R. Lacouture and J. C. Cornwell (2020). "Effects of resuspension of eastern oyster *Crassostrea virginica* biodeposits on phytoplankton community structure." *Marine Ecology Progress Series* 640: 79-105.
- Provenzale, M., A. Ojala, J. Heiskanen, K.-M. Erkkilä, I. Mammarella, P. Hari and T. Vesala (2018). "High-frequency productivity estimates for a lake from free-water CO<sub>2</sub> concentration measurements." *Biogeosciences* 15(7): 2021-2032.
- Qian, H. (2018). "A habitat template of *Stuckenia Pectinata* in Te Waihora (Lake Ellesmere)."
- Qui-Minet, Z. N., D. Davoult, J. Grall, C. Delaunay, C. Six, T. Cariou and S. Martin (2020). "Physiology of maerl algae: Comparison of inter-and intraspecies variations." *Journal of Phycology*.
- Qui-Minet, Z. N., D. Davoult, J. Grall, C. Delaunay, C. Six, T. Cariou and S. Martin (2020). "Physiology of maerl algae: Comparison of inter-and intraspecies variations." *Journal of Phycology*.
- Reis, P. C. J. (2020). "LINKING BIOGEOCHEMISTRY AND MICROBIAL ECOLOGY TO UNDERSTAND THE FATE OF METHANE IN LAKES AND HYDROPOWER RESERVOIRS."
- Rigaud, S., B. Deflandre, C. Grenz, F. Cesbron, L. Pozzato, B. Voltz, A. Grémare, A. Romero-Ramirez, P. Mirleau and S. Meulé (2021). "Benthic oxygen dynamics and implication for the maintenance of chronic hypoxia and ecosystem degradation in the Berre lagoon (France)." *Estuarine, Coastal and Shelf Science*: 107437.
- Rigaud, S., B. Deflandre, O. Maire, G. Bernard, J. C. Duchêne, D. Poirier and P. Anschutz (2018). "Transient biogeochemistry in intertidal sediments: New insights from tidal pools in *Zostera noltei* meadows of Arcachon Bay (France)." *Marine Chemistry* 200: 1-13.
- Rodas, A. M., L. K. Buie, H. E. Aichelman, K. D. Castillo, R. M. Wright and S. W. Davies (2019). "Eukaryotic plankton community stability across reef environments in Bocas del Toro Archipelago (Panamá)." bioRxiv: 750356.
- Rodas, A. M., R. M. Wright, L. K. Buie, H. E. Aichelman, K. D. Castillo and S. W. Davies (2020). "Eukaryotic plankton communities across reef environments in Bocas del Toro Archipelago, Panamá." *Coral Reefs* 39(5): 1453-1467.



- Rodil, I. F., K. M. Attard, C. Gustafsson and A. Norkko (2021). "Variable contributions of seafloor communities to ecosystem metabolism across a gradient of habitat-forming species." *Marine Environmental Research* 167: 105321.
- Rodil, I. F., K. M. Attard, J. Norkko, R. N. Glud and A. Norkko (2019). "Towards a sampling design for characterizing habitat-specific benthic biodiversity related to oxygen flux dynamics using Aquatic Eddy Covariance." *PloS one* 14(2): e0211673.
- Rodil, I. F., K. M. Attard, J. Norkko, R. N. Glud and A. Norkko (2019). "Towards a sampling design for characterizing habitat-specific benthic biodiversity related to oxygen flux dynamics using Aquatic Eddy Covariance." *PloS one* 14(2): e0211673.
- Rodil, I. F., K. M. Attard, J. Norkko, R. N. Glud and A. Norkko (2020). "Estimating respiration rates and secondary production of macrobenthic communities across coastal habitats with contrasting structural biodiversity." *Ecosystems* 23(3): 630-647.
- Rose, K. C., P. J. Neale, M. Tzortziou, C. L. Gallegos and T. E. Jordan (2019). "Patterns of spectral, spatial, and long-term variability in light attenuation in an optically complex sub-estuary." *Limnology and Oceanography* 64(S1): S257-S272.
- Rouco, M., K. R. Frischkorn, S. T. Haley, H. Alexander and S. T. Dyhrman (2018). "Transcriptional patterns identify resource controls on the diazotroph *Trichodesmium* in the Atlantic and Pacific oceans." *The ISME journal* 12(6): 1486-1495.
- Saber, A., D. E. James and I. A. Hannoun (2020). "Effects of lake water level fluctuation due to drought and extreme winter precipitation on mixing and water quality of an alpine lake, Case Study: Lake Arrowhead, California." *Science of The Total Environment* 714: 136762.
- Saber Sichani, A. (2019). "Application of Data-Driven and Process-Based Modeling Approaches for Water Quality Simulation in Lakes and Freshwater Reservoirs."
- Sánchez-Barredo, M., J. M. Sandoval-Gil, J. A. Zertuche-González, L. B. Ladah, M. D. Belando-Torres, R. Beas-Luna and A. Cabello-Pasini (2020). "Effects of Heat Waves and Light Deprivation on Giant Kelp Juveniles (*Macrocystis pyrifera*, Laminariales, Phaeophyceae)." *Journal of phycology* 56(4): 880-894.
- Sato, Y., J. Kozono, G. N. Nishihara and R. Terada (2020). "Effect of light and temperature on photosynthesis of a cultivated brown alga, *Saccharina sculpera* (Laminariales), from Japan." *Phycologia* 59(4): 375-384.
- Savage, C. (2019). "Seabird nutrients are assimilated by corals and enhance coral growth rates." *Scientific reports* 9(1): 1-10.
- Schmid, M., P. A. Fernández, J. D. Gaitán-Espitia, P. Virtue, P. P. Leal, A. T. Revill, P. D. Nichols and C. L. Hurd (2020). "Stress due to low nitrate availability reduces the biochemical acclimation potential of the giant kelp *Macrocystis pyrifera* to high temperature." *Algal Research* 47: 101895.
- Schrammeyer, V., P. H. York, K. Chartrand, P. J. Ralph, M. Kühl, K. E. Brodersen and M. A. Rasheed (2018). "Contrasting impacts of light reduction on sediment biogeochemistry in deep-and shallow-water tropical seagrass assemblages (Green Island, Great Barrier Reef)." *Marine environmental research* 136: 38-47.
- Serre-Fredj, L., F. Jacqueline, M. Navon, G. Izabel, L. Chasselín, O. Jolly, M. Repecaud and P. Clauquin (2021). "Coupling high frequency monitoring and bioassay experiments to investigate a harmful algal bloom in the Bay of Seine (French-English Channel)." *Marine Pollution Bulletin* 168: 112387.
- Serre-Fredj, L., F. Jacqueline, M. Navon, G. Izabel, L. Chasselín, O. Jolly, M. Repecaud and P. Clauquin (2021). "Coupling high frequency monitoring and bioassay experiments to investigate a harmful algal bloom in the Bay of Seine (French-English Channel)." *Marine Pollution Bulletin* 168: 112387.
- Shamberger, K. E. F., S. J. Lentz and A. L. Cohen (2018). "Low and variable ecosystem calcification in a coral reef lagoon under natural acidification." *Limnology and Oceanography* 63(2): 714-730.
- Shayka, B. (2018). Effects of nutrient addition and ocean acidification on tropical crustose coralline algae PhD Thesis, California State University, Northridge.
- Shayka, B. (2018). Effects of nutrient addition and ocean acidification on tropical crustose coralline algae PhD Thesis, California State University, Northridge.
- Shchapov, K., T. Ozersky and P. Wilburn (2021). "Winter and summer zooplankton community and environmental parameters data of thirteen lakes located in Minnesota and Wisconsin."
- Silkin, V., L. Pautova, M. Giordano, M. Kravchishina and

- V. Artemiev (2020). "Interannual variability of *Emiliania huxleyi* blooms in the Barents Sea: In situ data 2014–2018." *Marine Pollution Bulletin* 158: 111392.
- Souza, J. M. C., J. Z. Castro, A. T. Critchley and N. S. Yokoya (2019). "Physiological responses of the red algae *Gracilaria caudata* (Gracilariales) and *Laurencia catarinensis* (Ceramiales) following treatment with a commercial extract of the brown alga *Ascophyllum nodosum* (AMPEP)." *Journal of Applied Phycology* 31(3): 1883-1888.
- Spence, C., K. Beaty, P. J. Blanchfield, L. Hrenchuk and M. D. MacKay (2018). "The impact of a loss of hydrologic connectivity on boreal lake thermal and evaporative regimes." *Limnology and Oceanography* 63(5): 2028-2044.
- Steinke, L., G. W. Slysz, M. S. Lipton, C. Klatt, J. J. Moran, M. F. Romine, J. M. Wood, G. Anderson, D. A. Bryant and D. M. Ward (2020). "Short-term stable isotope probing of proteins reveals taxa incorporating inorganic carbon in a hot spring microbial mat." *Applied and environmental microbiology* 86(7): e01829-01819.
- Striker, G. G. and R. A. Ploschuk (2018). "Recovery from short-term complete submergence in temperate pasture grasses." *Crop and Pasture Science* 69(7): 745-753.
- Strzałek, M. I. and P. I. Koperski (2019). "The effect of dense patches of *Stratiotes aloides* L. on the spatial structure of microcrustacean assemblages in an oxbow lake." *Ecology & Hydrobiology* 19(1): 75-82.
- Tagliarolo, M. and U. M. Scharler (2018). "Spatial and temporal variability of carbon budgets of shallow South African subtropical estuaries." *Science of the Total Environment* 626: 915-926.
- Tait, L. W. and D. R. Schiel (2018). "Ecophysiology of layered macroalgal assemblages: importance of subcanopy species biodiversity in buffering primary production." *Frontiers in Marine Science* 5: 444.
- Tan, Z., X. Guo, Y. Yin, B. Wang, Q. Bai, X. Li, J. Liu and G. Jiang (2019). "Freezing Facilitates Formation of Silver Nanoparticles under Natural and Simulated Sunlight Conditions." *Environmental science & technology* 53(23): 13802-13811.
- Teears, T. D., S. J. Baedke, D. M. Downey, J. A. Studio and C. L. May (2020). "Water chemistry and light effects on survival of hatching salmonids in spring channels." *Journal of Freshwater Ecology* 35(1): 13-28.
- Teed, L., D. Bélanger, P. Gagnon and E. Edinger (2020). "Calcium carbonate (CaCO<sub>3</sub>) production of a subpolar rhodolith bed: Methods of estimation, effect of bioturbators, and global comparisons." *Estuarine, Coastal and Shelf Science* 242: 106822.
- Teed, L., D. Bélanger, P. Gagnon and E. Edinger (2020). "Calcium carbonate (CaCO<sub>3</sub>) production of a subpolar rhodolith bed: Methods of estimation, effect of bioturbators, and global comparisons." *Estuarine, Coastal and Shelf Science* 242: 106822.
- Teed, L. L. (2019). Calcium carbonate production, growth, and spatial extent of *Lithothamnion glaciale* in a Newfoundland rhodolith bed along environmental gradients PhD Thesis, Memorial University of Newfoundland.
- Terada, R., K. Matsumoto, I. A. Borlongan, Y. Watanabe, G. N. Nishihara, H. Endo and S. Shimada (2018). "The combined effects of PAR and temperature including the chilling-light stress on the photosynthesis of a temperate brown alga, *Sargassum patens* (Fucales), based on field and laboratory measurements." *Journal of Applied Phycology* 30(3): 1893-1904.
- Terada, R., Y. Nakashima, I. A. Borlongan, H. Shimabukuro, J. Kozono, H. Endo, S. Shimada and G. N. Nishihara (2020). "Photosynthetic activity including the thermal-and chilling-light sensitivities of a temperate Japanese brown alga *Sargassum macrocarpum*." *Phycological Research* 68(1): 70-79.
- Terada, R., M. Takaesu, I. A. Borlongan and G. N. Nishihara (2021). "The photosynthetic performance of a cultivated Japanese green alga *Caulerpa lentillifera* in response to three different stressors, temperature, irradiance, and desiccation." *Journal of Applied Phycology*: 1-13.
- Townsend, S. A., I. T. Webster, M. A. Burford and J. Schult (2018). "Effects of autotrophic biomass and composition on photosynthesis, respiration and light utilisation efficiency for a tropical savanna river." *Marine and Freshwater Research* 69(8): 1279-1289.
- Umer, B. and V. Malačič (2018). "PAR Measurements in the Gulf of Trieste (northern Adriatic Sea)." *Earth and Space Science Open Archive ESSOAr*.
- Umer, B. and V. Malačič (2019). "Biexponential decrease of PAR in coastal waters (Northern Adriatic)." *GEOFIZIKA* 39: 2022.

- Vacarizas, J., G. Benico, N. Austero and R. Azanza (2018). "Taxonomy and toxin production of *Gambierdiscus carpenteri* (Dinophyceae) in a tropical marine ecosystem: The first record from the Philippines." *Marine pollution bulletin* 137: 430-443.
- van den Heuvel, M. R., J. K. Hitchcock, M. R. S. Coffin, C. C. Pater and S. C. Courtenay (2019). "Inorganic nitrogen has a dominant impact on estuarine eelgrass distribution in the Southern Gulf of St. Lawrence, Canada." *Limnology and Oceanography* 64(6): 2313-2327.
- Wall, C. B., C. Ricci, A. Wen, B. Ledbetter, D. Klinger, L. Mydlarz, R. D. Gates and H. Putnam (2020). "Shifting Baselines: Physiological legacies contribute to the response of reef coral to frequent heat waves." bioRxiv.
- Wall, C. B., C. Ricci, A. Wen, B. Ledbetter, D. Klinger, L. Mydlarz, R. D. Gates and H. Putnam (2020). "Shifting Baselines: Physiological legacies contribute to the response of reef coral to frequent heat waves." bioRxiv.
- Wall, C. B., C. A. Ricci, G. E. Foulds, L. D. Mydlarz, R. D. Gates and H. M. Putnam (2018). "The effects of environmental history and thermal stress on coral physiology and immunity." *Marine Biology* 165(3): 1-15.
- Wall, C. B., C. A. Ricci, A. D. Wen, B. E. Ledbetter, D. E. Klinger, L. D. Mydlarz, R. D. Gates and H. M. Putnam (2020). "Shifting Baselines: Repeat bleaching drives coral phenotypes through environmental legacy and cellular memory." bioRxiv.
- Wall, C. B., C. A. Ricci, A. D. Wen, B. E. Ledbetter, D. E. Klinger, L. D. Mydlarz, R. D. Gates and H. M. Putnam (2020). "Shifting Baselines: Repeat bleaching drives coral phenotypes through environmental legacy and cellular memory." bioRxiv.
- Wei, H., H.-D. Li, Y. Xia, H.-K. Liu, D. Han, X.-M. Zhu, Y.-X. Yang, J.-Y. Jin and S.-Q. Xie (2019). "Effects of light intensity on phototaxis, growth, antioxidant and stress of juvenile gibel carp (*Carassius auratus gibelio*)." *Aquaculture* 501: 39-47.
- Wejnerowski, L., S. Cerbin, M. Wojciechowicz, T. Jurczak, M. I. Glama, J. Meriluoto and M. Dziuba (2018). "Effects of *Daphnia* exudates and sodium octyl sulphates on filament morphology and cell wall thickness of *Aphanizomenon gracile* (Nostocales), *Cylindrospermopsis raciborskii* (Nostocales) and *Planktothrix agardhii* (Oscillatoriales)." *European Journal of Phycology* 53(3): 280-289.
- Wu, A.-P., Y. He, S.-Y. Ye, L.-Y. Qi, L. Liu, W. Zhong, Y.-H. Wang and H. Fu (2020). "Negative effects of a piscicide, rotenone, on the growth and metabolism of three submerged macrophytes." *Chemosphere* 250: 126246.
- Wuitchik, D. M. (2018). *Temperature Modulation of Biological Clocks in a Reef-Building Coral Master's Thesis, Graduate Studies.*
- Wuitchik, D. M., D. Wang, T. J. Pells, K. Karimi, S. Ward and P. D. Vize (2019). "Seasonal temperature, the lunar cycle and diurnal rhythms interact in a combinatorial manner to modulate genomic responses to the environment in a reef-building coral." *Molecular ecology* 28(16): 3629-3641.
- Xu, G., R. Terada, Y. Watanabe and G. N. Nishihara (2021). "Temperature characteristics on the growth and photosynthesis of a red alga *Phycocalidia tanegashimensis* (= *Pyropia tanegashimensis*, Bangiales) reveal adaptation to subtropical environments due to year-round occurrence of the macroscopic gametophyte." *Journal of Applied Phycology* 33(3): 1765-1775.
- Yang, X. Q., Q. S. Zhang, D. Zhang, J. X. Feng, W. Zhao, Z. Liu and Y. Tan (2018). "Interaction of high seawater temperature and light intensity on photosynthetic electron transport of eelgrass (*Zostera marina* L.)." *Plant Physiology and Biochemistry* 132: 453-464.
- Yang, Z., P. Xu, D. Liu, J. Ma, D. Ji and Y. Cui (2018). "Hydrodynamic mechanisms underlying periodic algal blooms in the tributary bay of a subtropical reservoir." *Ecological engineering* 120: 6-13.
- Yildiz, G. (2021). "The effects of elevated-CO<sub>2</sub> and UVR on photosynthetic performance and nitrate reductase activity of *Ulva flexuosa* Wulfen 1803."
- Yildiz, G. (2018). "Physiological Responses of the Mediterranean Subtidal Alga *Peyssonnelia squamaria* to Elevated CO<sub>2</sub>." *Ocean Science Journal* 53(4): 691-698.
- Zhang, S., Y. Xiao, Z. Li, S. Wang, J. Guo and L. Lu (2019). "Turbulence exerts nutrients uptake and assimilation of bloom-forming *Dolichospermum* through modulating morphological traits: Field and chemostat culture studies." *Science of The Total Environment* 671: 329-338.
- Zhi, Y., Y. Liu, W. Li and Y. Cao (2020). "Responses of four submerged macrophytes to freshwater snail

- density (*Radix swinhoei*) under clear-water conditions: A mesocosm study." *Ecology and evolution* 10(14): 7644-7653.
- Zilius, M., I. Vybernaite-Lubiene, D. Vaiciute, D. Overlinge, E. Griniene, A. Zaiko, S. Bonaglia, I. Liskow, M. Voss and A. Andersson (2021). "Spatiotemporal patterns of N<sub>2</sub> fixation in coastal waters derived from rate measurements and remote sensing." *Biogeosciences* 18(5): 1857-1871.
- Zilius, M., I. Vybernaite-Lubiene, D. Vaiciute, D. Overlingė, E. Grinienė, A. Zaiko, S. Bonaglia, I. Liskow, M. Voss and A. Andersson (2021). "Spatiotemporal patterns of N<sub>2</sub> fixation in coastal waters derived from rate measurements and remote sensing." *Biogeosciences* 18(5): 1857-1871.
- Zilius, M., I. Vybernaite-Lubiene, D. Vaiciute, J. Petkuvienė, P. Zemlys, I. Liskow, M. Voss, M. Bartoli and P. A. Bukaveckas (2018). "The influence of cyanobacteria blooms on the attenuation of nitrogen throughputs in a Baltic coastal lagoon." *Biogeochemistry* 141(2): 143-165.
- Белевич, Т. А., И. А. Милютин, А. В. Троицкий and М. В. Флинт (2020). "Пикофитопланктон залива Благополучия (архипелаг Новая Земля) и прилегающего района Карского моря." *Океанология* 60(4): 545-555.
- Демидов, А. Б., В. И. Гагарин, В. А. Артемьев, Е. Г. Арашкевич, П. Н. Маккавеев, С. А. Щука, А. Н. Храпко, А. В. Григорьев, О. В. Воробьева and И. В. Конюхов (2020). "Вертикальная изменчивость первичной продукции и характеристики подповерхностного хлорофильного максимума в море Лаптевых в августе–сентябре 2015, 2017 и 2018 гг." *Океанология* 60(2): 216-232.
- Конюхов, И. В., О. В. Воробьева and А. В. Фёдоров (2019). "Пространственная изменчивость первичной продукции и хлорофилла в море Лаптевых в августе–сентябре." *Океанология* 59(5): 755-770.
- Копелевич, О. В., И. В. Салинг, С. В. Вазюля, Д. И. Глуховец, С. В. Шеберстов, В. И. Буренков, П. Г. Каралли and А. В. Юшманова (2018). "Биооптические характеристики морей, омывающих берега западной половины России, по данным спутниковых сканеров цвета 1998-2017 гг." М.: ООО «ВАШ ФОРМАТ».
- Сабуров, А. А., А. М. Безгрешнов, А. В. Весман, А. Ю. Кожевников, З. Б. Намсараев and Ф. К. Тузов (2020). МЕЖДУНАРОДНАЯ НАУЧНО-ОБРАЗОВАТЕЛЬНАЯ ЭКСПЕДИЦИЯ «АРКТИЧЕСКИЙ ПЛАВУЧИЙ УНИВЕРСИТЕТ—2019»: РАЗВИТИЕ КОНЦЕПЦИИ «ОБУЧЕНИЕ ЧЕРЕЗ ИССЛЕДОВАНИЯ».
- 小園淳平 and ジ. コゾノ (2020). Ecophysiological study of some freshwater red algae from southern Japan PhD Thesis, 鹿児島大学.
- 神保忠雄 (2018). "水産上重要な海産大型甲殻類の人工繁殖に関する研究."
- 神保忠雄, 水本泰, 村上恵祐 and 浜崎活幸 (2018). "イセエビフィロソーマ幼生の成長に伴う走光性の変化." *日本水産学会誌*: 17-00073.





---

Please contact us with any corrections or potential additions to this list.  
Tell us about your research by visiting [www.licor.com/case-study](http://www.licor.com/case-study).

**LI-COR Environmental**

4647 Superior Street  
Lincoln, Nebraska 68504  
Phone: +1-402-467-3576  
Toll free: 800-447-3576 (U.S. &  
Canada)  
[envsales@licor.com](mailto:envsales@licor.com)  
[envsupport@licor.com](mailto:envsupport@licor.com)  
[licor.com/env](http://licor.com/env)

**LI-COR GmbH, Germany**

Siemensstrasse 25A  
61352 Bad Homburg  
Germany  
Phone: +49 (0) 6172 17 17 771  
[envsales-gmbh@licor.com](mailto:envsales-gmbh@licor.com)  
[envsupport-eu@licor.com](mailto:envsupport-eu@licor.com)

**LI-COR Ltd., United Kingdom**

St. John's Innovation Centre  
Cowley Road  
Cambridge  
CB4 0WS  
United Kingdom  
Phone: +44 (0) 1223 422102  
[envsales-UK@licor.com](mailto:envsales-UK@licor.com)  
[envsupport-eu@licor.com](mailto:envsupport-eu@licor.com)

**Beijing LI-COR Bioscience Ltd.**

Room 502-503, 5th Floor, Jimen  
No.1 Office Building  
Xitucheng Road, Haidian District  
Beijing, China  
Phone: +86-400-1131-511  
[china-sales@licor.com](mailto:china-sales@licor.com)  
[china-support@licor.com](mailto:china-support@licor.com)