

Natural Sciences and Engineering Research Council of Canada - Undergraduate Summer Research Award
 Polar Continental Shelf Program
 Québec-Océan
 UNIS - The University Centre in Svalbard
 Université du Québec à Rimouski
 Université Laval
 University of Aberdeen
 University of Tromsø

Publications

Articles Published in Refereed Publications

Alonso-Saez, L., Waller, A.S., Mende, D.R., Bakker, K., Farnelid, H., Yager, P.L., Lovejoy, C., Tremblay, J.-E., Potvin, M., Heinrich, F., Estrada, M., Riemann, L., Bork, P., Pedros Alio, C., Bertilsson, S., 2012, A role for urea in the metabolism of Polar Archaea, *Proceedings of the National Academy of Sciences USA* v.109 no. 44, 17989-17994, Published

Alonso-Saez, L., Zeder, M., Harding, T., Pernthaler, J., Lovejoy, C., Bertilsson, S. and Pedrós-Alió, C., 2014, Winter Bloom of a Rare Betaproteobacterium in the Arctic Ocean, *Frontiers in Aquatic Microbiology*, 7, Published

Alou, E., Mundy, C.-J., Roy, S., Gosselin, M. and Agusti, S., 2012, Snow Cover Affects Ice Algae Pigment Composition in The Coastal Arctic Ocean During Spring, *Marine Ecology Progress Series*, , Accepted

Alou, E., Mundy, C.-J., Roy, S., Gosselin, M. and Agusti, S., 2013, Snow Cover Affects Ice Algae Pigment Composition in The Coastal Arctic Ocean During Spring, *Marine Ecology Progress Series*, v474, 89-104, Published

Antoine, D., Hooker, S.B., Bélanger, S., Matsuoka A., and Babin M., 2013, Apparent Optical Properties of the Canadian Beaufort Sea, Part I: Observational Overview and Water Column Relationships, *Biogeosciences*, 4493-4509, Published

Ardyna, M., Babin, M., Devred, E., Rehm, E., Benoît-Gagné, M., Gosselin, M. and Tremblay, J.-É., 2014, Vertical structure and environmental forcing of phytoplankton communities in the Beaufort Sea: Validation and application of novel satellite-derived phytoplankton indicators, 2014 Ocean Optics Conference, Portland, Maine, USA, Poster presentation, Published

Ardyna, M., Babin, M., Gosselin, M., Devred, E., Bélanger, S., Matsuoka, A. and Tremblay, J.-É., 2012, Parameterization of Vertical Chlorophyll a in the Arctic Ocean: Impact of the Subsurface Chlorophyll Maximum on Regional, Seasonal and Annual Primary Production Estimates, *Biogeosciences*, , Submitted

Ardyna, M., Babin, M., Gosselin, M., Devred, E., Bélanger, S., Matsuoka, A. and Tremblay, J.-É., 2013, Parameterization of Vertical Chlorophyll a in the Arctic Ocean: Impact of the Subsurface Chlorophyll Maximum on Regional, Seasonal and Annual Primary Production Estimates, *Biogeosciences*, v.10, 4383-4404, Published

Ardyna, M., Babin, M., Gosselin, M., Devred, E., Rainville, L. and J.-É. Tremblay, 2014, Phytoplankton phenology in a changing Arctic Ocean, 48th CMOS Congress, Rimouski, Quebec, Canada, Oral presentation, Published

Ardyna, M., Babin, M., Gosselin, M., Devred, E., Rainville, L. and Tremblay, J.-É., 2014, Recent Arctic Ocean sea-ice loss triggers novel fall phytoplankton blooms, *Geophysical Research Letters*, v. 41, no. 17, 6207-6212, Published

Ardyna, M., Gosselin, M., Michel, C., Poulin, M., and J.-É. Tremblay, 2011, Environmental forcing of phytoplankton community structure and function in the Canadian High Arctic: contrasting oligotrophic and eutrophic regions, *Marine Ecology Progress Series*, 442, 37-57, Published

Lapoussière, A., C. Michel, M. Starr, M. Gosselin, M. Poulin, 2011, Role of free-living and particle-attached bacteria in the recycling and export of organic material in the Hudson Bay system, *Journal of Marine Systems*, doi:10.1016/j.jmarsys.2010.12.003, Published

Lapoussière, A., Gagnon, J., and J.-É. Tremblay, 2012, Relative effects of river inputs versus nitrogenous nutrition of phytoplankton on particulate organic matter isotopic signature (delta 15N and delta 13C) in Hudson Bay and Hudson Strait during summer, *Journal of Geophysical Research*, , Submitted

Lapoussière, A., Michel, C., Gosselin M., Poulin, M., Martin, J. and Tremblay J.-É., 2013, Primary production and sinking export during fall in the Hudson Bay system, Canada, *Continental Shelf Research*, v.52, 62-72, Published

Lapoussière, A., Michel, C., Gosselin, M., Poulin, M., Martin, J. and Tremblay J.-É., 2013, Primary Production and Sinking Export During Fall in the Hudson Bay System, Canada, *Continental Shelf Research*, v. 52, 62-72, Published

Lapoussière, A., Michel, C., Gosselin, M., Poulin, M., Martin, J., and J.-É. Tremblay, 2012, Primary production and sinking export during fall in the Hudson Bay system, Canada, *Continental Shelf Research*, , Submitted

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Le Fouest, V., Babin M. and Tremblay J. E., 2013, The fate of riverine nutrients on Arctic shelves, *Biogeosciences*, v.10, 3661-3677, Published

Leu, E., Mundy, C.J., Assmy, P., Campbell, K., Gabrielsen, T.M., Gosselin, M., Juul-Pedersen, T. and Gradinger, R., 2015, Arctic spring awakening – steering principles behind the phenology of vernal ice algae blooms, *Progress in Oceanography*, In press, n/a, Accepted

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Link, H., Chaillou, G., Forest, A., Piepenburg, D. and Archambault, P., 2012, Multivariate Benthic Ecosystem Functioning in the Arctic – Benthic Fluxes Explained by Environmental Parameters in the Southeastern Beaufort Sea, *Biogeosciences Discussion* 9, 16933-16976, Published

Link, H., Chaillou, G., Forest, A., Piepenburg, D. and Archambault, P., 2013, Multivariate Benthic Ecosystem Functioning in the Arctic – Benthic Fluxes Explained by Environmental Parameters in the Southeastern Beaufort Sea, *Biogeosciences*, 10: 5911-5929, doi: 10.5194/bg-10-5911-2013, Published

Link, H., Piepenburg, D. and Archambault, P., 2013, Are Hotspots Always Hotspots? The Relationship Between Diversity, Resource and Ecosystem Functions in the Arctic, *PLoS ONE* 8(9): e74077, doi:10.1371/journal.pone.0074077, Published

Lizotte, M., M. Levasseur, S. Michaud, M. G. Scarratt, A. Merzouk, M. Gosselin, J. Pommier, R. B. Rivkin, R. P. Keine., 2012, Macroscale Patterns of the Biological Cycling of Dimethylsulfoniopropionate (DMSP) and Dimethylsulfide (DMS) in the Northwest Atlantic, *Biogeochemistry*, vol. 110, 183-200, Published

Lovejoy, C., 2013, Changing views of Arctic protists (marine microbial eukaryotes) in a changing Arctic, *Acta Protozoologica*, , Accepted

