1. Articles in peer-reviewed journals (2013 - April 2017):

*Total of **491** articles (**111** in 2013; **102** in 2014; **121** in 2015; **126** in 2016; **31** in Jan-April 2017), based on FINMARI partnership research infrastructure (partner contributions in columns)*

*(**PhD theses** for the period are listed from page 45.)*

2013 *(111 articles)*

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Asmala, E., Autio, R., Kaartokallio, H., Pitkänen, L., Stedmon, A. & Thomas, D.N. 2013. Bioavailability of riverine dissolved organic matter in three Baltic Sea estuaries and the effect of catchment land-use. **Biogeosciences** 10: 6969-6986. http://dx.doi.org/10.5194/bg-10-6969-2013	X					X	
Attila, J., Koponen, S., Kallio, K., Lindfors, A., Kaitala, S. & Ylöstalo, P. 2013. MERIS Case II water processor comparison on coastal sites of the northern Baltic Sea. **Remote Sensing of Environment** 128: 138-149. http://dx.doi.org/10.1016/j.rse.2012.07.009						X	
Bendtsen, J., Gustafsson, K.E., Lehtoranta, J., Saarijärvi, E., Rasmus, K. & Pitkänen, H. 2013. Modeling and tracer release experiment on forced buoyant plume convection from coastal oxygenation. **Boreal Environment Research** 18: 37-52. http://www.borenv.net/BER/pdfs/ber18/ber18-037.pdf						X	
Berezina, N.A., Strode , E., Lehtonen, K.K., Balode, M. & Golubkov, S.M. 2013. Sediment quality assessment using Gmelinoides fasciatus and Monoporeia affinis (Amphipoda, Gammaridea) in the northeastern Baltic Sea. **Crustaceana** 86: 780-801. doi:10.1163/15685403-00003215						X	
Bergström U, Sundblad G, Downie A-L, Snickars M, Boström C and Lindegarth M 2013. Evaluating eutrophication management scenarios in the Baltic Sea using species distribution modelling. **Journal of Applied Ecology** 50: 680-690. doi: 10.1111/1365-2664.12083.			X				
Borja, À., Elliott, M., Andersen, J.H., Cardoso, A.C., Carstensen, J., Ferreira, J.G., Heiskanen, A.-S., Marques, J.C., Neto, J.M., Teixeira, H., Uusitalo, L., Uyarra, M.C. & Nikolaos, Z. 2013. Good Environmental Status of marine ecosystems: What is it and how do we know when we have attained it? **Marine Pollution Bulletin** 76: 16-27. http://dx.doi.org/10.1016/j.marpolbul.2013.08.042						X	
Brutemark A, Engström-Öst JM (2013) Does the presence of zooplankton influence growth and toxin production of Nodularia spumigena? **International Review of Hydrobiology**, 98, 225-234.	X						

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Bucas, M., Bergström, U., Downie, A.-L., Sundblad, G., Gullström, M., von Numers, M., Siaulys, A. & Lindegarth, M. 2013. Empirical modelling of benthic species distribution, abundance, and diversity in the Baltic Sea: evaluating the scope for predictive mapping using different modelling approaches. **ICES Journal of Marine Science** 70: 1233-1243. http://dx.doi.org/10.1093/icesjms/fst036						X	
Candolin U, Vlieger L (2013) Estimating the Dynamics of Sexual Selection in Changing Environments. **Evolutionary Biology**, 40(4), 589-600.	X						
Candolin U, Vlieger L (2013) Should Attractive Males Sneak: The Trade-Off between Current and Future Offspring. **PLoS One**, 8(3), e57992.	X						
Dabrowska, H., Kopko, O., Turja, R., Lehtonen, K.K., Góra, A., Polak-Juszczak, L., Warzocha, J. & Kholodkevich, S. 2013. Sediment contaminants and contaminant levels and biomarkers in caged mussels (Mytilus trossulus) in the southern Baltic Sea. **Marine Environmental Research** 84: 1-9. http://dx.doi.org/10.1016/j.marenvres.2012.11.001						X	
Downie, A.-L., Numers, M.v. & Boström, C. 2013. Influence of model selection on the predicted distribution of the seagrass Zostera marina. **Estuarine, Coastal and Shelf Science** 121-122: 8-19. http://dx.doi.org/10.1016/j.ecss.2012.12.020						X	
Dromph, K., Agusti, S., Basset, A., Franco, J., Henriksen, P., Icely, J., Lehtinen, S., Moncheva, S., Revilla, M., Roselli, L. & Sørensen, K. 2013. Sources of uncertainty in assessment of marine phytoplankton communities. **Hydrobiologia** 704: 253-264. http://dx.doi.org/10.1007/s10750-012-1353-0						X	
Ebert D, Hottinger JW, Pajunen VI (2013) Unsuitable habitat patches lead to severe underestimation of dynamics and gene flow in a zooplankton metapopulation. **Journal of Animal Ecology**, 82, 759-769.	X						
Engström-Öst J, Repka S, Brutemark A, Nieminen A (2013) Clay- and algae-induced effects on biomass, cell size and toxin concentration of a brackish-water cyanobacterium. **Hydrobiologia**, 714(1), 85-92.	X						
Engström-Öst, J., Autio, R., Setälä, O., Sopanen, S. & Suikkanen, S. 2013. Plankton community dynamics during decay of a cyanobacteria bloom: a mesocosm experiment. **Hydrobiologia** 701: 25-35. http://dx.doi.org/10.1007/s10750-012-1247-1	X					X	
Fischer, M., Thomas, D.N., Krell, A., Nehrke, G., Goettlicher, J., Norman, L., Meiners, K.M., Riaux-Gobin, C. & Dieckmann, G.S. 2013. Quantification of ikaite in Antarctic sea ice. **Antarctic Science** 25: 421-432. https://doi.org/10.1017/S0954102012001150						X	
Forsius M, Anttila S, Arvola L, Bergström I, Hakola H, Heikkinen HI, Helenius J, Hyvärinen M, Jylhä K, Karjalainen J, Keskinen T, Laine K, Nikinmaa E, Peltonen-Sainio P, Rankinen K, Reinikainen MJ, Setälä HM, Vuorenmaa J (2013) Impacts and adaptation options of climate change on ecosystem services in Finland: a model based study. **Current Opinion in Environmental Sustainability**, 5(1), 26-40.	X						
Fowler, A., Forsström, T., von Numers, M. & Vesakoski, O. 2013. The North American mud crab Rhithropanopeus harrisii (Gould 1841) in newly colonised Northern Baltic Sea: distribution and ecology. **Aquatic Invasions** 8: 89-96.		X					
Gagnon, K., Rothäusler, E., Syrjänen, A., Yli-Renko, M. & Jormalainen, V. 2013. Seabird guano fertilizes Baltic Sea littoral food webs. **PLoS ONE** 8(4):e61284. doi:10.1371/ journal.pone.0061284.		X					

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Gårdmark, Anna; Lindegren, Martin; Neuenfeldt, Stefan; Blenckner, Thorsten; Heikinheimo, Outi; Müller-Karulis, Bärbel; Niiranen, Susa; Tomczak, Maciej T.; Aro, Eero; Wikström, Anders; Möllmann, Christian 2013: Biological ensemble modeling to evaluate potential futures of living marine resources. **Ecological Applications** 23(4): 742-754. DOI http://dx.doi.org/10.1890/12-0267.1.							X
Gorokhova E, Löf M, Reutgard M, Lindström M, Sundelin B (2013) Exposure to contaminants exacerbates oxidative stress in amphipod Monoporeia affinis subjected to fluctuating hypoxia. **Aquatic Toxicology**, 127, 46-53.	X						
Gorokhova, E., Lehtiniemi, M. & Motwan, N.H. 2013. Trade-Offs between predation risk and growth benefits in the copepod Eurytemora affinis with contrasting pigmentation. **PLoS ONE** 8: e71385. http://dx.doi.org/10.1371/journal.pone.0071385						X	
Hällfors, H., Backer, H., Leppänen, J.-M., Hällfors, S., Hällfors, G. & Kuosa, H. 2013. The northern Baltic Sea phytoplankton communities in 1903-1911 and 1993-2005: a comparison of historical and modern species data. **Hydrobiologia** 707: 109-133. http://dx.doi.org/10.1007/s10750-012-1414-4	X					X	
Haubjerg Søgaard, D., Thomas, D.N., Rysgaard, S., Glud, R.N., Norman, L., Kaartokallio, H., Juul-Pedersen, T. & Geilfus, N.-X. 2013. The relative contributions of biological and abiotic processes to carbon dynamics in subarctic sea ice. **Polar Biology** 36: 1761-1777. http://dx.doi.org/10.1007/s00300-013-1396-3						X	
Helenius LK, Borg J, Nurminen L, Leskinen E, Lehtonen H (2013) The effects of turbidity on prey consumption and selection of zooplanktivorous Gasterosteus aculeatus L. **Aquatic Ecology**, 47(3), 349-356.	X						
Högström, U., Rutgersson, A., Sahlée, E., Smedman, A.-S., Hristov, T. S., Drennan, W. M., Kahma, K. K., 2013. Air-Sea Interaction Features in the Baltic Sea and at a Pacific Trade-Wind Site - An Inter-comparison Study. **Boundary Layer Meteorology**, Vol. 147, Issue 1, pp. 139-163. http://dx.doi.org/10.1007/s10546-012-9776-8.					X		
Horppila J, Kaitaranta J, Joensuu L, Nurminen L (2013) Influence of emergent macrophyte (Phragmites australis) density on water turbulence and erosion of organic-rich sediment. **Journal of Hydrodynamics**, 2013(25), 288-293.	X						
Humble, J.L., Hands, E., Saaristo, M., Lindström, K., Lehtonen, K.K., Cerio, O.D.d., Cancio, I., Wilson, G. & Craft, J.A. 2013. Characterisation of genes transcriptionally upregulated in the liver of sand goby (Pomatoschistus minutus) by 17alfa-ethinyloestradiol : Identification of distinct vitellogenin and zona radiata protein transcripts. **Chemosphere** 90: 2722-2729. http://dx.doi.org/10.1016/j.chemosphere.2012.11.053	X					X	
Hyvärinen, Pekka; Rodewald, Petra 2013: Enriched rearing improves survival of hatchery-reared Atlantic salmon smolts during migration in the River Tornionjoki. **Canadian Journal of Fisheries and Aquatic Sciences** 70(9): 1386-1395. DOI http://dx.doi.org/10.1139/cjfas-2013-0147.							X
Hyytiäinen, K., Lehtiniemi, M., Niemi, J.K. & Tikka, K. 2013. An optimization framework for addressing aquatic invasive species. **Ecological Economics** 91: 69-79. http://dx.doi.org/10.1016/j.ecolecon.2013.04.001					X	X	
Jansson A, Norkko J, Norkko A (2013) Effects of reduced pH on Macoma balthica larvae from a system with naturally fluctuating pH-dynamics. **PLoS One**, 8(6), [e68198].	X						

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Johnston, Susan E.; Lindqvist, Meri; Niemelä, Eero; Orell, Panu; Erkinaro, Jaakko; Kent, Matthew P.; Lien, Sigbjørn; Vähä, Juha-Pekka; Vasemägi, Anti; Primmer, Craig R. 2013: Fish scales and SNP chips : SNP genotyping and allele frequency estimation in individual and pooled DNA from historical samples of Atlantic salmon (Salmo salar). **BMC Genomics** 14: 13 p. DOI http://dx.doi.org/10.1186/1471-2164-14-439.							X
Kaartokallio, H., Søgaard, D.H., Norman, L., Rysgaard, S., Tison, J.-L., Delille, B. & Thomas, D.N. 2013. Short-term variability in bacterial abundance, cell properties, and incorporation of leucine and thymidine in subarctic sea ice. **Aquatic Microbial Ecology** 71: 57-73. http://dx.doi.org/10.3354/ame01667						X	
Kaitaranta J, Nurminen L, Niemistö J, Buhvestova O (2013) Quantifying sediment resuspension and internal phosphorus loading in shallow near-shore areas in the Gulf of Finland. **Boreal Environment Research**, 18, 473-487.	X						
Kallio-Nyberg, I.; Salminen, M.; Pakarinen, T.; Koljonen, M.-L. 2013: Cost-benefit analysis of Atlantic salmon smolt releases in relation to life-history variation. **Fisheries Research** 145: 6-14. DOI http://dx.doi.org/10.1016/j.fishres.2013.03.004.							X
Kallio-Nyberg, Irma; Jutila, Eero; Saloniemi, Irma; Jokikokko, Erkki 2013: Effects of hatchery rearing and sea ranching of parents on the life history traits of released salmon offspring. **Aquaculture** 402-403: 76-83. DOI http://dx.doi.org/10.1016/j.aquaculture.2013.03.027.							X
Kammann, Ulrike; Askem, Clare; Dabrowska, Henryka; Grung, Merete; Kirby, Mark F.; Koivisto, Pertti; Lucas, Claudia; McKenzie, Margaret; Meier, Sonnich; Robinson, Craig; Tairova, Zhanna M.; Tuvikene, Arvo; Vuorinen, Pekka J.; Strand, Jakob 2013: Interlaboratory proficiency testing for measurement of the polycyclic aromatic hydrocarbon metabolite 1-hydroxypyrene in fish bile for marine environmental monitoring. **Journal of AOAC International** 96(3): 635-641. DOI http://dx.doi.org/10.5740/jaoacint.12-080.							X
Karlsson, Sten; Hagen, Merethe; Eriksen, Line; Hindar, Kjetil; Jensen, Arne J.; Garcia de Leaniz, Carlos; Cotter, Deirdre; Guðbergsson, Guðni; Kahilainen, Kimmo; Guðjónsson, Sigurður; Romakkaniemi, Atso; Ryman, Nils 2013: A genetic marker for the maternal identification of Atlantic salmon × brown trout hybrids. **Conservation Genetics Resources** 5(1): 47-49. DOI http://dx.doi.org/10.1007/s12686-012-9730-6.							X
Katajisto, T., Karjala, L. & Lehtiniemi, M. 2013. Fifteen years after invasion: egg bank of the predatory cladoceran Cercopagis pengoi in the Baltic Sea. **Marine Ecology Progress Series** 482: 81-92. http://dx.doi.org/10.3354/meps10266	X					X	
Katajisto, T., Kotta, J., Lehtiniemi, M., Malavin, S.A. & Panov, V.E. 2013. Palaemon elegans Rathke, 1837 (Caridea: Palaemonoidea: Palaemonidae) established in the Gulf of Finland. **BioInvasions Records** 2: 125-132. http://dx.doi.org/10.3391/bir.2013.2.2.05	X					X	
Kenning M, Harzsch S (2013) Brain anatomy of the marine isopod Saduria entomon Linnaeus, 1758 (Valvifera, Isopoda) with special emphasis on the olfactory pathway. **Frontiers in neuroanatomy**, 7.	X						
Keränen J, Ahkola H, Knuutinen J, Herve S, Reinikainen M, Koistinen J (2013) Formation of PFOA from 8:2 FTOH in closed-bottle experiments with brackish water. **Environmental Science and Pollution Research International,** 20(11), 8001-8012.	X						

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Kinitz, T., Quack, M., Paulus, M., Veith, M., Bergek, S., Strand, J., Tuvikene, A., Soirinsuo, A. & Hochkirch, A. 2013. Strong isolation-by-distance in the absence of genetic population structure in the eelpout (Zoarces viviparus, Linnaeus 1758). **Ecological Indicators** 27: 116-122. http://dx.doi.org/10.1016/j.ecolind.2012.12.001						X	
Klais, R., Tamminen, T., Kremp, A., Spilling, K., Woong An, B., Hajdu, S. & Olli, K. 2013. Spring phytoplankton communities shaped by interannual weather variability and dispersal limitation : Mechanisms of climate change effects on key coastal primary producers. **Limnology and Oceanography** 58: 753-762. http://onlinelibrary.wiley.com/doi/10.4319/lo.2013.58.2.0753/abstract						X	
Korhonen, M., Salo, S., Kankaanpää, H., Kiviranta, H., Ruokojärvi, P. & Verta, M. 2013. Sedimentation of PCDD/Fs and PCBs in the Gulf of Finland and the Gulf of Bothnia, the Baltic Sea. **Chemosphere** 98: 1541-1547. http://dx.doi.org/10.1016/j.chemosphere.2013.07.072						X	
Korpelainen, H., von Cräutlein, M., Kostamo, K. & Virtanen, V. 2013. Spatial genetic structure of aquatic bryophytes in a connected lake system. **Plant Biology** 15: 1435-8603. http://dx.doi.org/10.1111/j.1438-8677.2012.00660.x						X	
Kostamo, K., Korpelainen, H. & Olsson, S. 2013. Comparative study on the population genetics of the red algae Furcellaria lumbricalis occupying different salinity conditions. **Marine Biology** 159: 561-571. http://search.ebscohost.com/login.aspx?direct=true&db=afh&AN=71835322&site=ehost-live						X	
Kotta, J., Pärnoja, M., Katajisto, T., Lehtiniemi, M., Malavin, S.A., Reisalu, G. & Panov, V.E. 2013. Is a rapid expansion of the invasive amphipod Gammarus tigrinus Sexton, 1939 associated with its niche selection: a case study in the Gulf of Finland, the Baltic Sea. **Aquatic Invasions** 8: 319-332. http://dx.doi.org/10.3391/ai.2013.8.3.08						X	
Kulmala, S., Levontin, P., Lindroos, M. & Pintassilgo, P. 2013. Atlantic Salmon Fishery in the Baltic Sea : A Case of Trivial Cooperation? **Strategic Behavior and the Environment** 3: 121-147. http://dx.doi.org/10.1561/102.00000026						X	
Larsson, Stefan; Byström, Pär; Berglund, Johnny; Carlsson, Ulf; Veneranta, Lari; Larrson, Sylvia H.; Hudd, Richard 2013: Characteristics of anadromous whitefish (Coregonus lavaretus (L.)) rivers in the Gulf of Bothnia. **Advances in Limnology** 64: 189-201. DOI http://dx.doi.org/10.1127/1612-166X/2013/0064-0007.							X
Lawrenz, E., Silsbe, G., Capuzzo, E., Ylöstalo, P., Forster, R.M., Simis, S.G.H., Prásil, O., Kromkamp, J.C., Hickman, A.E., Moore, C.M., Forget, M.-H., . Geider, R.J. & Suggett, D.J. 2013. Predicting the electron requirement for carbon fixation in seas and oceans. **PLoS ONE** 8: e58137. http://dx.doi.org/10.1371/journal.pone.0058137						X	
Lehtiniemi, M., Gorokhova, E., Bolte, S., Haslob, H., Huwer, B., Katajisto, T., Lennuk, L., Majaneva, S., Põllumäe, A., Schaber, M., Setälä, O., Reusch, T.B., Viitasalo-Frösén, S., Vuorinen, I. & Välipakka, P. 2013. Distribution and reproduction of the Arctic ctenophore Mertensia ovum in the Baltic Sea. **Marine Ecology Progress Series** 491: 111-124. http://dx.doi.org/10.3354/meps10464						X	
Lehtonen TK, Lindström K, Wong BBM (2013) Effect of egg predator on nest choice and nest construction in sand gobies. **Animal Behaviour**, 86(4), 867-871.	X						

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Leipe, T., Moros, M., Kotilainen, A., Vallius, H., Kabel, K., Endler, M., Kowalski, N., 2013. Mercury in Baltic Sea sediments—Natural background and anthropogenic impact. **Chemie Erde - Geochemistry** (2013), http://dx.doi.org/10.1016/j.chemer.2013.06.005.				X			
Lignell, R., Haario, H., Laine, M. & Thingstad, T.F. 2013. Getting the ''right'' parameter values for models of the pelagic microbial food web. **Limnology and Oceanography** 58: 301-313. http://dx.doi.org/10.4319/lo.2013.58.1.0301	X					X	
Lindström K, Lehtonen TK (2013) Mate sampling and choosiness in the sand goby. **Proceedings of the Royal Society B. Biological Sciences**, 280, 20130983.	X						
Luhtala, H. & Tolvanen, H. 2013. Optimizing the use of Secchi depth as a proxy for euphotic depth in coastal waters: an empirical study from the Baltic Sea. **International Journal of GeoInformation** 2: 1153–1168.		X					
Luhtala, H., Tolvanen, H. & Kalliola, R. 2013. Annual spatio-temporal variation of the euphotic depth in the SW-Finnish archipelago, Baltic Sea. **Oceanologia** 55: (2) 359–373.		X					
Lunetta, P., Miettinen, A., Spilling, K. & Sajantila, A. 2013. False-positive diatom test: A real challenge? : A post-mortem study using standardized protocols. **Legal Medicine** 15: 229-234. http://dx.doi.org/10.1016/j.legalmed.2013.03.002						X	
Lyra, C., Sinkko, H., Rantanen, M., Paulin, L., Kotilainen, A., 2013. Sediment Bacterial Communities Reflect the History of a Sea Basin. **PLoS ONE** 8(1): e54326. doi:10.1371/journal.pone.0054326.				X			
Majaneva, S. & Majaneva, M. 2013. Cydippid ctenophores in the coastal waters of Svalbard: is it only Mertensia ovum? **Polar Biology** 36: 1681-1686. http://dx.doi.org/10.1007/s00300-013-1377-6						X	
Majaneva, S., Berge, J., Renaud, P.E., Vader, A., Stübner, E., Rao, A.M., Sparre, Q. & Lehtiniemi, M. 2013. Aggregations of predators and prey affect predation impact of the Arctic ctenophore Mertensia ovum. **Marine Ecology Progress Series** 476: 87-100. http://dx.doi.org/10.3354/meps10143						X	
Mäntyniemi, S., Haapasaari, P., Kuikka, S., Parmanne, R., Lehtiniemi, M., Kaitaranta, J. & Hilborn, R. 2013. Incorporating stakeholders' knowledge to stock assessment: Central Baltic herring. **Canadian Journal of Fisheries and Aquatic Sciences** 70: 591-599. doi: 10.1139/cjfas-2012-0316						X	
Mäntyniemi, S., Uusitalo, L., Peltonen, H., Haapasaari, P. & Kuikka, S. 2013. Integrated, age-structured, length-based stock assessment model with uncertain process variances, structural uncertainty, and environmental covariates : case of Central Baltic herring. **Canadian Journal of Fisheries and Aquatic Sciences** 70: 1317-1326. doi:10.1139/cjfas-2012-0315						X	
Martinez-Vicente, V., Simis, S.G.H., Alegre, R., Land, P.E. & Groom, S.B. 2013. Above-water reflectance for the evaluation of adjacency effects in Earth observation data : initial results and methods comparison for near-coastal waters in the Western Channel, UK. **Journal of the European Optical Society** 8: http://dx.doi.org/10.2971/jeos.2013.13060						X	
Merkouriadi I, Leppäranta M, Shirasawa K (2013) Seasonal and annual heat budgets offshore the Hanko Peninsula, Gulf of Finland. **Boreal Environment Research**, 18, 89-108.	X						

(2013)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Müller, S., Vähätalo, A.V., Stedmon, C.A., Granskog, M.A., Norman, L., Aslam , S.N., Underwood, G.J.C., Dieckmann, G.S. & Thomas, D.N. 2013. Selective incorporation of dissolved organic matter (DOM) during sea ice formation. **Marine Chemistry** 155: 148-157. http://dx.doi.org/10.1016/j.marchem.2013.06.008						X	
Mustamäki, N., Bergström, U., Ådjers, K., Sevastik, A. and Mattila, J. 2013. Pikeperch (Sander lucioperca (L.)) in decline: high mortality of three populations in the northern Baltic Sea. **Ambio**, DOI 10.1007/213280-013-0429-z			X				
Mustamäki, N., Cederberg, T. and Mattila, J. 2013. Diet, stable isotopes and morphology of Eurasian perch (Perca fluviatilis) in littoral and pelagic habitats in the northern Baltic Proper. **Environ. Biol. Fish** DOI 10.1007/210641-013-0169-8.			X				
Norkko A, Villnäs A, Norkko J, Valanko S, Pilditch C (2013) Size matters: implications of the loss of large individuals for ecosystem function. **Scientific Reports**, 3, 2646.	X						
Olafsson, E., K. Aarnio, E. Bonsdorff and N. L. Arroyo, 2013: Fauna of the green alga Cladophora glomerata in the Baltic Sea: density, diversity, and algal decomposition stage. - **Mar. Biol.** 160: 2353-2362. doi 10.1007/s00227-013-2229-1			X				
Olli, K., Trikk, O., Klais, R., Ptacnik, R., Andersen, T., Lehtinen, S. & Tamminen, T. 2013. Harmonizing large data sets reveals novel patterns in the Baltic Sea phytoplankton community structure. **Marine Ecology Progress Series** 473: 53-66. http://dx.doi.org/10.3354/meps10065						X	
Ozerov, Mikhail; Vasemägi, Anti; Wennevik, Vidar; Diaz-Fernandez, Rogelio; Kent, Matthew; Gilbey, John; Prusov, Sergey; Niemelä, Eero; Vähä, Juha-Pekka 2013: Finding markers that make a difference: DNA pooling and SNP-arrays identify population informative markers for genetic stock identification. **PLoS ONE** 8(12): 1-12. DOI http://dx.doi.org/10.1371/journal.pone.0082434.							X
Ozerov, Mikhail; Vasemägi, Anti; Wennevik, Vidar; Niemelä, Eero; Prusov, Sergey; Kent, Matthew; Vähä, Juha-Pekka 2013: Cost-effective genome-wide estimation of allele frequencies from pooled DNA in Atlantic salmon (Salmo salar L.). **BMC Genomics** 14: 9 p. DOI http://dx.doi.org/10.1186/1471-2164-14-12.							X
Pienkowski, A.J., Marret, F., Scourse, J.D. & Thomas, D.N. 2013. Organic-walled microfossils from the north-west Weddell Sea, Antarctica: records from surface sediments after the collapse of the Larsen-A and Prince Gustav Channel ice shelves. **Antarctic Science** 25: 565-574. https://doi.org/10.1017/S0954102012001186						X	
Pitkänen H, Peuraniemi M, Westerbom M, Kilpi M, von Numers M (2013) Long-term changes in distribution and frequency of aquatic vascular plants and charophytes in an estuary in the Baltic Sea. **Annales Botanici Fennici**, 50 (Supplement A), 1-54.	X						
Pulkkinen, Henni; Mäntyniemi, Samu 2013: Maximum survival of eggs as the key parameter of stock-recruit meta-analysis : accounting for parameter and structural uncertainty. Canadian Journal of Fisheries and **Aquatic Sciences** 70(4): 527-533. DOI http://dx.doi.org/10.1139/cjfas-2012-0268.							X
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2017 *(31 articles until May)*

(2017)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
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Gammal J, Norkko J, Pilditch CA, Norkko A (2017) Coastal hypoxia and the importance of benthic macrofauna communities for ecosystem functioning. **Estuaries and Coasts**, 40(2):457-468.	X						
Griffiths JR, Kadin M, Nascimento FJA, Tamelander T, Törnroos A, Bonaglia S, Bonsdorff E, Brüchert V, Gårdmark A, Järnström M, Kotta J, Lindegren M, Nordström MC, Norkko A, Olsson J, Weigel B, Žydelis R, Blenckner T, Niiranen S, Winder M (2017) The importance of benthic–pelagic coupling for marine ecosystem functioning in a changing world. **Global Change Biology**, 23: 2179–2196.	X						
Haavisto, F., Koivikko, R. & Jormalainen, V. 2017. Defensive role of macroalgal phlorotannins: benefits and trade-offs under natural herbivory. **Marine Ecology Progress Series** Vol. 566: 79–90, doi: 10.3354/meps12004.		X					
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Häusler, K., Moros, M., Wacker, L., Hammerschmidt, L., Dellwig, O., Leipe, T., Kotilainen, A., Arz, H. W. 2017. Mid- to Late Holocene environmental separation of the northern and central Baltic Sea basins in response to differential land uplift. **Boreas** 46, 111–128.				X			
Herlevi, H., Puntila, R., Kuosa, H. & Fagerholm, H.-P. 2017. Infection rates and prevalence of metazoan parasites of the non-native round goby (Neogobius melanostomus) in the Baltic Sea. **Hydrobiologia** 792: 265-282. http://dx.doi.org/10.1007/s10750-016-3062-6						X	
Hornick, T., Bach, L.T., Crawfurd, K.J., Spilling, K., Achterberg, E.P., Woodhouse, J.N., Schulz, K.G., Brussaard, C.P.D., Riebesell, U. & Grossart, H.-P. 2017. Ocean acidification impacts bacteria-phytoplankton coupling at low-nutrient conditions. **Biogeosciences** 14: 1-15. http://dx.doi.org/10.5194/bg-14-1-2017	X					X	

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Houliez, E., Simis, S., Nenonen, S., Ylöstalo, P. & Seppälä, J. 2017. Basin-scale spatio-temporal variability and control of phytoplankton photosynthesis in the Baltic Sea : the first multiwavelength Fast Repetition Rate fluorescence study operated on a ship-of-opportunity. **Journal of Marine Systems** 169: 40-51. http://dx.doi.org/10.1016/j.jmarsys.2017.01.007						X	
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Klais, R., Norros, V., Lehtinen, S., Tamminen, T. & Olli, K. 2017. Community assembly and drivers of phytoplankton functional structure. **Functional Ecology** 31: 760-767. http://dx.doi.org/10.1111/1365-2435.12784						X	
Kuosa, H., Fleming-Lehtinen, V., Lehtinen, S., Lehtiniemi, M., Nygård, H., Raateoja, M., Raitaniemi, J., Tuimala, J., Uusitalo, L. & Suikkanen, S. 2017. A retrospective view of the development of the Gulf of Bothnia ecosystem. **Journal of Marine Systems** 167: 78-92. http://dx.doi.org/10.1016/j.jmarsys.2016.11.020						X	
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Momigliano P, Jokinen H, Fraimout A, Florin A-B, Norkko A, Merilä J (2017) Extraordinarily rapid speciation in a marine fish. **Proceedings of the National Academy of Sciences**; doi:10.1073/pnas.1615109114	X						
Moros, M., Andersen, T. J., Schulz-Bull, D., H€ausler, K., Bunke, D., Snowball, I., Kotilainen, A., Zillen, L., Jensen, J. B., Kabel, K., Hand, I., Leipe, T., Lougheed, B. C., Wagner, B., Arz, H.W., 2017. Towards an event stratigraphy for Baltic Sea sediments deposited since AD 1900: approaches and challenges. **Boreas** 46, 129–142.				X			
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(2017)	UHEL/Tv	UTU/Seili	ÅAU/Husö	GTK	FMI	SYKE-MRC	Luke
Natunen, K., Seppälä, J., Koivula, R.-J. & Pellinen, J. 2017. Monitoring cell-specific neutral lipid accumulation in Phaeodactylum tricornutum (Bacillariophyceae) with Nile Red staining - a new method for FlowCAM. **Journal of Phycology** 53: 396-404. http://dx.doi.org/10.1111/jpy.12504						X	
Nordström, M. C. and E. Bonsdorff, 2017: Organic enrichment simplifies marine benthic food web structure. - **Limnology and Oceanography** DOI: 10.1002/lno.10588			X				
Ojaveer, H., Olenin, S., Narscius, A., Florin, A.-B., Ezhova, E., Gollasch, S., Jensen, K.R., Lehtiniemi, M., Minchin, D., Normant-Saremba, M. & Strake, S. 2017. Dynamics of biological invasions and pathways over time: a case study of a temperate coastal sea. **Biological Invasions** 19: 799-813. http://dx.doi.org/10.1007/s10530-016-1316-x						X	
Rengefors, K., Kremp, A., Reusch, T.B.H. & Wood, A.M. 2017. Genetic diversity and evolution in eukaryotic phytoplankton : revelations from population genetic studies. **Journal of Plankton Research** 39: 165-179. http://dx.doi.org/10.1093/plankt/fbw098						X	
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Vihervaara, P., Auvinen, A.-P., Mononen, L., Törmä, M., Ahlroth, P., Anttila, S., Böttcher, K., Forsius, M., Heino, J., Heliölä, J., Koskelainen, M., Kuussaari, M., Meissner, K., Ojala, O., Tuominen, S., Viitasalo, M. & Virkkala, R. 2017. How Essential Biodiversity Variables and remote sensing can help national biodiversity monitoring. **Global Ecology and Conservation** 10: 43-59. http://dx.doi.org/10.1016/j.gecco.2017.01.007						X	
Wasmund, N., Kownacka, J., Göbel, J., Jaanus, A., Johansen, M., Jurgensone, I., Lehtinen, S. & Powillei, M. 2017. The Diatom/Dinoflagellate Index as an indicator of ecosystem changes in the Baltic Sea 1. Principle and handling instruction. **Frontiers in Marine Science** 4: Article 22, 13 p. http://dx.doi.org/10.3389/fmars.2017.00022						X	

2. 34 PhD theses (2013 – April 2017):

2013 *(3 theses)*

1. Hällfors, H. 2013. Studies on dinoflagellates in the northern Baltic Sea. Scientific reports / Walter and Andree de Nottbeck Foundation No. 39. Helsinki, University of Helsinki. http://hdl.handle.net/10138/38315 Academic dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences
2. Majaneva, M. 2013. Linking taxonomy and environmental 18S-rRNA-gene sequencing of Baltic Sea protists. Scientific reports / Walter and Andree de Nottbeck Foundation No. 40. Tvärminne, Walter and Andrée de Nottbeck Foundation. http://hdl.handle.net/10138/39062 Dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences
3. Villnäs A (2013) Disturbance and ecosystem functioning - the role of changes in benthic biological traits. PhD thesis, Åbo Akademi University, 48 pp.

2014 *(6 theses)*

4. Asmala, E. 2014. Transformation and removal of riverine dissolved organic matter in Baltic Sea estuaries. Helsinki, University of Helsinki. http://urn.fi/URN:ISBN:978-952-10-9764-5 Academic dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences, Department of Environmental Sciences
5. Johansson, M.M., 2014. Sea level changes on the Finnish coast and their relationship to atmospheric factors. Finnish Meteorological Institute Contributions, 109, 132 pp. (PhD thesis, University of Helsinki)
6. Majaneva, S. 2014. Understanding the biodiversity and ecological importance of ctenophores - Lessons from Arctic and Baltic *Mertensia ovum*. Scientific reports / Walter and Andree de Nottbeck Foundation No. 41. Helsinki, University of Helsinki. http://urn.fi/URN:ISBN:978-952-67851-6-5 Academic dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences
7. Merkouriadi I (2014) The influence of seasonal sea ice on the physics of the coastal waters - Gulf of Finland. PhD thesis, University of Helsinki, 32 pp.
8. Tuomi, L. 2014. On modelling surface waves and vertical mixing in the Baltic Sea. Finnish Meteorological Institute Contributions, 103, 142 pp. (PhD thesis, University of Helsinki)
9. Törnroos, A., 2014. Interpreting marine benthic ecosystem functioning in coastal waters: validating the biological trait concept. PhD thesis, Environmental and Marine Biology, Faculty of Science and Engineering, Åbo Akademi University, Finland.

2015 *(14 theses)*

10. Budria A. 2015. Swimming through troubled waters. Eutrophication of the Baltic Sea and parasites of the threespine stickleback. PhD thesis, University of Helsinki, 26 pp.
11. Eronen-Rasimus, E. 2015. Ice formation, growth and associated substrate supply determine sea-ice bacterial community dynamics. Scientific reports / Walter and Andree de Nottbeck Foundation No. 42. Helsinki, University of Helsinki. http://urn.fi/URN:ISBN:978-952-67851-8-9 Doctoral dissertation, Helsinki University, Faculty of Agriculture and Forestry

12. Helenius L. 2015. The role of zooplankton in littoral communities: diversity and food web interactions in the Baltic Sea. PhD thesis, University of Helsinki, 80 pp.
13. Pulkkinen H. 2015: Embracing uncertainty in fisheries stock assessment using Bayesian hierarchical models. Helsinki, University of Helsinki 2015. 48 p. ISBN 978-951-51-0559-2. http://urn.fi/URN:ISBN:978-951-51-0560-8.
14. Müller S. 2015. Dissolved organic matter in sea ice; from biogeochemical processes during ice formation to bio-optical modelling. PhD thesis, University of Helsinki, 43 pp.
15. Mustamäki, N., 2015. Spatial and temporal variation in fish populations and assemblages in coastal waters of the northern Baltic Proper. PhD thesis, Environmental and Marine Biology Faculty of Science and Engineering, Åbo Akademi University, Finland.
16. Nousiainen, A. 2015. Application of genomic tools in bioremediation of atrazine contaminated soil and groundwater. Dissertationes Schola Doctoralis Scientiae Circumiectalis, Alimentariae, Biologicae. Universitatis Helsinkiensis 2/2015. Helsinki, University of Helsinki. http://urn.fi/URN:ISBN:978-951-51-0815-9 Academic dissertation, University of Helsinki, Faculty of agriculture and forestry
17. Reunamo, A. 2015. Bacterial community structure and petroleum hydrocarbon degradation in the Baltic Sea. Annales Universitatis Turkuensis A II 303. Turku, University of Turku. http://urn.fi/URN:ISBN:978-951-29-6113-9 Doctoral thesis, University of Turku, Faculty of Mathematics and Natural Sciences
18. Sjöqvist C. 2015. Genetic diversity and phenotypic variability of phytoplankton populations in the Baltic Sea. PhD thesis, Åbo Akademi University, 71 pp.
19. Sohel, S., 2015. Effects of algal turbidity on foraging and antipredator behaviour of the three-spined stickleback (*Gasterosteus aculeatus*). PhD thesis, Environmental and Marine Biology, Faculty of Science and Engineering, Åbo Akademi University, Finland.
20. Suominen, T. 2015. Spatiotemporal features of coastal waters in southwest Finland. Annales Universitatis Turkuensis Ser AII – Tom 305. 124 p.
21. Turja, R. 2015. Biological effects of contaminants in mussels (*Mytilus trossulus*) transplanted in northern Baltic Sea coastal areas. Dissertationes Schola Doctoralis Scientiae Circumiectalis, Alimentariae, Biologicae. Universitatis Helsinkiensis 3/2015. Helsinki, University of Helsinki. http://urn.fi/URN:ISBN:978-951-51-0819-7 Academic dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences. Department of Environmental Sciences
22. Webb A. 2015. The effects of elevated CO2 and ocean acidification on the production of marine biogenic trace gases. PhD thesis, University of East Anglia, 392 pp.
23. Yli-Hemminki, P. 2015. Microbes regulate metal and nutrient cycling in Fe-Mn concrections of the Gulf of Finland. Dissertationes Schola Doctoralis Scientiae Circumiectalis, Alimentariae, Biologicae. Universitatis Helsinkiensis 27/2015. Helsinki, University of Helsinki. http://hdl.handle.net/10138/156632 Doctoral dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences, Department of Biosciences

2016 *(6 theses)*

24. Fleming-Lehtinen, V. 2016. Secchi depth in the Baltic Sea - an indicator of eutrophication. Helsinki, University of Helsinki. https://helda.helsinki.fi/handle/10138/168525 Academic dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences

25. Gagnon, K. 2016. Top-down and bottom-up impacts of the Great Cormorant (*Phalacrocorax carbo* sinensis) on coastal benthic communities in the Baltic Sea. Annales Universitatis Turkuensis A II 318, http://www.doria.fi/handle/10024/123541, Doctoral thesis (article-based)
26. Haavisto, F. 2016. Macroalgal Defenses Against Herbivory: Causes and Consequences of Intraspecific Variation. Annales Universitatis Turkuensis A II 319, http://www.doria.fi/handle/10024/123676, Doctoral thesis (article-based)
27. Luhtala, H. 2016. Geographical studies of underwater light dynamics in the coastal archipelago of SW Finland, Baltic Sea. Annales Universitatis Turkuensis Ser AII – Tom 314. 121 p.
28. Mück IS. 2016. The role of an environmental gradient in driving population divergence in common gobies (Pomatoschistus microps). PhD thesis, Universität Tübingen, 142 pp.
29. Puntila, R. 2016. Trophic interactions and impacts of non-indigenous species in Baltic Sea coastal ecosystems. Dissertationes Schola Doctoralis Scientiae Circumiectalis, Alimentariae, Biologicae. Universitatis Helsinkiensis 19/2016. Helsinki, University of Helsinki. http://hdl.handle.net/10138/164843 Doctoral dissertation, University of Helsinki, Faculty of biological and environmental sciences

2017 *(5 theses until May)*

30. Häggqvist, K., 2017. Spatial distributions of phytoplankton in rock pools: metacommunities to molecules. PhD thesis, Environmental and Marine Biology Faculty of Science and Engineering, Åbo Akademi University, Finland.
31. Luhtanen, A.-M. 2017. Virus-host systems in sea ice. Scientific reports / Walter and Andree de Nottbeck Foundation No. 44. Helsinki, University of Helsinki. http://hdl.handle.net/10138/176909 Doctoral dissertation, University of Helsinki, Faculty of Biological and Environmental Sciences
32. Puttonen, I., 2017. Phosphorus in the sediments of the northern Baltic Sea archipelagos : internal P loading and Its impact on eutrophication. PhD thesis, Environmental and Marine Biology Faculty of Science and Engineering, Åbo Akademi University, Finland.
33. Weigel, B. 2017., Patterns in diversity and function of benthic fauna in a coastal system under environmental change. PhD thesis, Environmental and Marine Biology Faculty of Science and Engineering, Åbo Akademi University, Finland.
34. Jansson A (2017) Ocean acidification in the Baltic Sea - implications for the bivalve *Macoma balthica*. PhD thesis, University of Helsinki, 47 pp.