**Centre for Ocean Life - DTU Orbit (25/01/2018)**

**Centre for Ocean Life**
National Institute of Aquatic Resources
Organisational unit: Section

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Bridging food webs, ecosystem metabolism, and biogeochemistry using ecological stoichiometry theory
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Challenges to fisheries management due to stock recovery
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Climate change implications for fisheries and aquaculture
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Climate-mediated changes in marine ecosystem regulation during El Niño
Publication: Research - peer-review › Journal article – Annual report year: 2017

Community ecology in 3D: Tensor decomposition reveals spatio-temporal dynamics of large ecological communities
Publication: Research - peer-review › Journal article – Annual report year: 2017

Computational Fluid Dynamics of Choanoflagellate Filter-Feeding
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Connectivity and Dispersal of Salmon Lice in a Tidal Energetic Island System: Faroe Islands
Kragesteen, T. J., Simonsen, K., Visser, A. & Andersen, K. H. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Contrasting responses in the niches of two coral reef herbivores along a gradient of habitat disturbance in the Spermonde Archipelago, Indonesia
Publication: Research - peer-review › Journal article – Annual report year: 2017

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Distinctly different behavioral responses of a copepod, Temora longicornis, to different strains of toxic dinoflagellates, Alexandrium spp.
Xu, J., Hansen, P. J., Nielsen, L. T. & Kiørboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Distinctly different behavioral responses of a copepod, Temora longicornis, to different strains of toxic dinoflagellates, Alexandrium spp.
Xu, J., Hansen, P. J., Nielsen, L. T. & Kiørboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Dynamics of phytoplankton blooms in turbulent vortex cells
Publication: Research - peer-review › Journal article – Annual report year: 2017

Ecological effects of full and partial protection in the crowded Mediterranean Sea: a regional meta-analysis
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of fertilizers used in agricultural fields on algal blooms
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of high-frequency strobed laser light on Atlantic cod (Gadus morhua) physiology and behavior
Publication: Research › Conference abstract for conference – Annual report year: 2017

Effects of oil spill responses on key Arctic zooplankton species
Publication: Research › Conference abstract for conference – Annual report year: 2017

Efficiency of fisheries is increasing at the ecosystem level
Jacobsen, N. S., Burgess, M. G. & Andersen, K. H. 2017 In : Fish and Fisheries. 18, 2, p. 199-211
Publication: Research - peer-review › Journal article – Annual report year: 2016

Estimating uncertainty of data limited stock assessments
Publication: Research - peer-review › Journal article – Annual report year: 2016

Evolution of boldness and life-history in response to selective harvesting
Andersen, K. H., Marty, L. & Arlinghaus, R. 2017 In : Canadian Journal of Fisheries and Aquatic Sciences.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Feed, breed and be eaten: behavior dependent trade-offs in zooplankton
van Someren Gréve, H., Almeda, R. & Kiørboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Feeding in a viscous world: How microbes catch prey
Nielsen, L. T. & Kiørboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017
Impacts of climate change on pelagic fisheries
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Indvandrene
Kiørboe, T. & Jaspers, C. 2017 Weekendavisen
Publication: Communication › Newspaper article – Annual report year: 2017

Ingestion, growth and gross growth efficiencies of copepod nauplii with different feeding behavior
Torres, R. R., Almeda, R., van Someren Gréve, H. & Kiørboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Interactive effects of prey refuge and additional food for predator in a diffusive predator-prey system
Publication: Research - peer-review › Journal article – Annual report year: 2017

Marine fish traits follow fast-slow continuum along coastal-offshore gradient
Publication: Research › Conference abstract for conference – Annual report year: 2017

Marine fish traits follow fast-slow continuum along coastal-offshore gradient
Publication: Research › Poster – Annual report year: 2017

Mating, feeding and not being eaten: sex-specific trade-offs in copepods
van Someren Gréve, H., Almeda, R. & Kierboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Metapopulation theory identifies biogeographical patterns among core and satellite marine bacteria scaling from tens to thousands of kilometers: Applied metapopulation theory for marine microbes
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modeling succession of key resource-harvesting traits of mixotrophic plankton
Publication: Research - peer-review › Journal article – Annual report year: 2016

Modelling Jellyfish in marine ecosystems
Schnedler-Meyer, N. A., Kiørboe, T. & Mariani, P. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Motile behavior and predation risk in planktonic copepods: Behavior dependent predation risk
Publication: Research - peer-review › Journal article – Annual report year: 2017

On the missing link in ecology: improving communication between modellers and experimentalists
Heuschele, J., Ekvall, M. T., Mariani, P. & Lindemann, C. 2017 In : Oikos. 126, 8, p. 1071-1077
Publication: Research - peer-review › Journal article – Annual report year: 2017
Ontogenetic body-mass scaling of nitrogen excretion relates to body surface area in diverse pelagic invertebrates
Publication: Research - peer-review › Journal article – Annual report year: 2016

Photoregulation in a kleptochloroplastidic dinoflagellate, Dinophysis acuta
Publication: Research › Conference abstract for conference – Annual report year: 2017

Plankton and fisheries
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Plankton biogeography: An exploration of patterns, drivers, functions, and predictability
Publication: Research › Ph.D. thesis – Annual report year: 2017

Predator persistence through variability of resource productivity in Tritrophic systems
Soudijn, F. H. & de Roos, A. M. 2017 In : American Naturalist. 190, 6, p. 844-853
Publication: Research - peer-review › Journal article – Annual report year: 2017

Predicting the consequences of species loss using size-structured biodiversity approaches: Consequences of biodiversity loss
Publication: Research - peer-review › Journal article – Annual report year: 2016

Productivity and recovery of forage fish under climate change and fishing: North Sea sandeel as a case study
Lindegren, M., van Deurs, M., MacKenzie, B., Worsøe Clausen, L., Christensen, A. & Rindorf, A. 2017 In : Fisheries Oceanography.
Publication: Research - peer-review › Journal article – Annual report year: 2017

Resting eggs in free living marine and estuarine copepods
Publication: Research - peer-review › Journal article – Annual report year: 2017

Seasonal body size reductions with warming covary with major body size gradients in arthropod species
Publication: Research - peer-review › Journal article – Annual report year: 2017

Seasonal succession in zooplankton feeding traits reveals trophic trait coupling
Kenitz, K., Visser, A., Mariani, P. & Andersen, K. H. 2017 In : Limnology and Oceanography. 62, 3, p. 1184-1197
Publication: Research - peer-review › Journal article – Annual report year: 2017

Seasonal succession in zooplankton feeding traits reveals trophic trait coupling
Kenitz, K., Visser, A., Mariani, P. & Andersen, K. H. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Selection for life-history traits to maximize population growth in an invasive marine species
Publication: Research - peer-review › Journal article – Annual report year: 2017
Shifts in coastal sediment oxygenation cause pronounced changes in microbial community composition and associated metabolism
Publication: Research - peer-review › Journal article – Annual report year: 2017

Spatio-temporal patterns in coral reef communities of the Spermonde Archipelago, 2012-2014, I: Comprehensive reef monitoring reveals two indices that reflect changes in reef health
Publication: Research - peer-review › Journal article – Annual report year: 2017

Starvation tolerance of neritic copepods with different overwintering and feeding strategies
Holm, M. W., Kierboe, T., Almeda, R. & Hansen, B. W. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Swimming and feeding of mixotrophic biflagellates
Dölger, J., Nielsen, L. T., Kierboe, T. & Andersen, A. P. 2017 In : Scientific Reports. 7, 10 p., 39892
Publication: Research - peer-review › Journal article – Annual report year: 2017

Temporal and spatial differences between taxonomic and trait biodiversity in a large marine ecosystem: Causes and consequences
Publication: Research - peer-review › Journal article – Annual report year: 2017

The constraints of high density production of the calanoid copepod Acartia tonsa Dana
Publication: Research - peer-review › Journal article – Annual report year: 2017

The importance of benthic-pelagic coupling for marine ecosystem functioning in a changing world
Publication: Research - peer-review › Journal article – Annual report year: 2017

The Sub-Polar Gyre Index - a community data set for application in fisheries and environment research
Berx, B. & Payne, M. 2017 In : Earth System Science Data. 9, 1, p. 259-266
Publication: Research - peer-review › Journal article – Annual report year: 2017

Trait-based approaches to ocean life
Kierboe, T. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Trait-based model of mixotrophy in plankton
Andersen, K. H., Berge, T., Chakraborty, S. & Hansen, P. J. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017

Trophic impact of Atlantic bluefin tuna migrations in the North Sea
Publication: Research - peer-review › Journal article – Annual report year: 2017

Trophic strategies of unicellular plankton
Chakraborty, S. 2017
Publication: Research › Conference abstract for conference – Annual report year: 2017
Assumptions behind size-based ecosystem models are realistic: Comment
Publication: Research - peer-review › Journal article – Annual report year: 2016

A trait database for marine copepods
Publication: Research - peer-review › Journal article – Annual report year: 2016

Behavior as key trait in zooplankton predation risk
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Behavior-dependent predation risk in marine planktonic copepods - an experimental and modelling approach
Publication: Research › Conference abstract for conference – Annual report year: 2016

Behaviour-dependent predation risk in marine zooplankton: an experimental and modelling approach
Almeda, R., van Someren Gréve, H. & Kiørboe, T. 2016
Publication: Research › Conference abstract for conference – Annual report year: 2016

Carbon export by vertically migrating zooplankton: Optimal vertical migration and carbon export
Hansen, A. N. & Visser, A. W. 2016 In : Limnology and Oceanography. 61, 2, p. 701-710
Publication: Research - peer-review › Journal article – Annual report year: 2016

Characteristic sizes of life in the oceans - from bacteria to whales
Publication: Research - peer-review › Journal article – Annual report year: 2016

Comparing model predictions for ecosystem-based management
Jacobsen, N. S., Essington, T. E. & Andersen, K. H. 2016 In : Canadian Journal of Fisheries and Aquatic Sciences. 73, 4, p. 666-676
Publication: Research - peer-review › Journal article – Annual report year: 2015

Contribution to the Themed Section: Scaling from individual plankton to marine ecosystems HORIZONS Small bugs with a big impact: linking plankton ecology with ecosystem processes
Publication: Research - peer-review › Journal article – Annual report year: 2016

Differences in density-dependence drive dual offspring size strategies in fish
Publication: Research - peer-review › Journal article – Annual report year: 2016

Documentation on key drivers and physiological tolerance limits for resident and invasive species: Report: BIO-C3 Deliverable, D1.2
Dynamics of a physiologically structured population in a time-varying environment

Effects of oil spill responses on key Arctic zooplankton species

Environmental Impacts—Marine Ecosystems

Fish stock assessment under data limitations developing a new method based on a size-structured theoretical ecology framework

Fluid dynamic constraints on resource acquisition in small pelagic organisms

Foraging mode and prey size spectra of suspension-feeding copepods and other zooplankton
Kiørboe, T. 2016 In : Marine Ecology Progress Series. 558, p. 15-20

From traits to life history strategies: deconstructing fish community composition across European Seas

Global patterns in the feeding ecology of large marine fish

Høj funktionel rigdom trods få arter i Østersøen
Törnroos, A. 2016 In : Aktuel naturvidenskab. 1, p. 16-20

How much crude oil can zooplankton ingest? Estimating the quantity of dispersed crude oil defecated by planktonic copepods

Effects of oil spill responses on key Arctic zooplankton species

Publication: Research › Poster – Annual report year: 2017

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Publication: Research › Ph.D. thesis – Annual report year: 2016
Influence of UVB radiation on the lethal and sublethal toxicity of dispersed crude oil to planktonic copepod nauplii
Publication: Research - peer-review › Journal article – Annual report year: 2016

Local environmental conditions shape generalist but not specialist components of microbial metacommunities in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2017

Marine ecosystem connectivity mediated by migrant–resident interactions and the concomitant cross-system flux of lipids
Publication: Research - peer-review › Journal article – Annual report year: 2016

Maximizing fisheries yields while maintaining community structure
Kolding, J., Jacobsen, N. S., Andersen, K. H. & van Zwieteren, P. A. M. 2016 In : Canadian Journal of Fisheries and Aquatic Sciences. 73, 4, p. 644–655
Publication: Research - peer-review › Journal article – Annual report year: 2015

Oil spills and dispersants can cause the initiation of red tides
Almeda, R. & Buskey, E. J. 2016
Publication: Research › Conference abstract for conference – Annual report year: 2016

Patterns and drivers of fish community assembly in a large marine ecosystem
Pécuchet, L., Törnroos, A. & Lindegren, M. 2016 In : Marine Ecology - Progress Series. 546, p. 239-248
Publication: Research - peer-review › Journal article – Annual report year: 2016

Photoregulation in a Kleptochloroplastidic Dinoflagellate, Dinophysis acuta
Publication: Research - peer-review › Journal article – Annual report year: 2016

Plankton community composition and vertical migration during polar night in Kongsfjorden
Publication: Research - peer-review › Journal article – Annual report year: 2016

Prey perception in feeding-current feeding copepods: Reply to comment
Kiørboe, T., Goncalves, R. J., Florian Couespel, D., van Someren Gréve, H., Saiz, E. & Tiselius, P. 2016 In : Limnology and Oceanography. 61, 4, p. 1169-1171
Publication: Research - peer-review › Journal article – Annual report year: 2016

Records of five bryozoan species from offshore gas platforms rare for the Dutch North Sea
Beukhof, E. D., Coolen, J. W. P., van der Weide, B. E., Cuperus, J., de Blauwe, H. & Lust, J. 2016 In : Marine Biodiversity Records. 9, 1
Publication: Research - peer-review › Journal article – Annual report year: 2016

Remaining questions in the case for balanced harvesting
Burgess, M. G., Diekert, F. K., Jacobsen, N. S., Andersen, K. H. & Gaines, S. D. 2016 In : Fish and Fisheries. 17, 4, p. 1216-1226
Publication: Research - peer-review › Journal article – Annual report year: 2015

The global susceptibility of coastal forage fish to competition by large jellyfish
Publication: Research - peer-review › Journal article – Annual report year: 2016

The migration game in habitat network: the case of tuna
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The predictive skill of species distribution models for plankton in a changing climate
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The theoretical foundations for size spectrum models of fish communities
Andersen, K. H., Jacobsen, N. S. & Farnsworth, K. D. 2016 In : Canadian Journal of Fisheries and Aquatic Sciences. 73, 4 , p. 575-588
Publication: Research - peer-review › Journal article – Annual report year: 2015

Toxic phytoplankton as a keystone species in aquatic ecosystems: stable coexistence to biodiversity
Chakraborty, S., Ramesh, A. & Dutta, P. S. 2016 In : Oikos. 125, 5, p. 735-746
Publication: Research - peer-review › Journal article – Annual report year: 2015

Trade-offs in zooplankton feeding behaviour
Almeda, R., van Someren Gréve, H. & Kiørboe, T. 2016
Publication: Research › Conference abstract for conference – Annual report year: 2016

Trait biogeography of marine copepods - an analysis across scales
Publication: Research - peer-review › Journal article – Annual report year: 2016

Trends in marine climate change research in the Nordic region since the first IPCC report
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Uncertainties in projecting climate-change impacts in marine ecosystems
Publication: Research - peer-review › Journal article – Annual report year: 2015

Using marine reserves to manage impact of bottom trawl fisheries requires consideration of benthic food-web interactions
van Denderen, P. D., Rijnsdorp, A. D. & van Kooten, T. 2016 In : Ecological Applications. 26, 7, p. 2302-2310
Publication: Research - peer-review › Journal article – Annual report year: 2016

Adfærd hos torsk på et kunstigt stenrev i et baglokale på den Blå Planet
Publication: Research › Conference abstract for conference – Annual report year: 2015
Adult and offspring size in the ocean over 17 orders of magnitude follows two life history strategies
In: Ecology. 96, 12, p. 3303–3311
Publication: Research - peer-review › Journal article – Annual report year: 2015

Advection loss of overwintering Calanus finmarchicus from the Faroe-Shetland Channel
Publication: Research - peer-review › Journal article – Annual report year: 2015

A marine eutrophication impacts assessment method in LCIA coupling coastal ecosystems exposure to nitrogen and species sensitivity to hypoxia
Cosme, N. M. D., Koski, M. & Hauschild, M. Z. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

An effective algorithm for approximating adaptive behavior in seasonal environments
Publication: Research - peer-review › Journal article – Annual report year: 2015

A new compact, cost-efficient concept for underwater range-gated imaging: the UTOFIA project
Quincoces, I., Galparsoro, I., Bald, J., Gabina, G., Visser, A., Mariani, P. & Jonasdottir, S. 2015
Publication: Research › Poster – Annual report year: 2015

An indicator for ecosystem externalities in fishing
Publication: Research › Report – Annual report year: 2015

An individual-based model of Zebrafish population dynamics accounting for energy dynamics
Publication: Research - peer-review › Journal article – Annual report year: 2015

Assessing stock status instead of fishing mortality reduces the need for information on growth
Kokkalis, A. & Andersen, K. H. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Behavior-dependent senescence in pelagic copepods
Publication: Research - peer-review › Journal article – Annual report year: 2016

Behavior-dependent predation risk in marine planktonic copepods
van Someren Gréve, H., Almeda, R. & Kierboe, T. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Beyond ocean connectivity: embracing advances on early life stages and adult connectivity to assessment and management challenges
Publication: Research › Conference abstract for conference – Annual report year: 2015

Biogeographic changes in fish diversity driven by changes in climate and exploitation
Bryndum, K. M., Christensen, A., She, J., Richardson, K. & MacKenzie, B. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015
Can we understand and predict the distributional shifts of pelagic fish?
Payne, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Carbon content of Mnemiopsis leidyi eggs and specific egg production rates in northern Europe
Publication: Research - peer-review › Journal article – Annual report year: 2014

Climate and fishing steer ecosystem regeneration to uncertain economic futures
Publication: Research - peer-review › Journal article – Annual report year: 2015

Concentrations of sunscreens and antioxidant pigments in Arctic Calanus spp. in relation to ice cover, ultraviolet radiation, and the phytoplankton spring bloom: MAAs and astaxanthin in copepods
Hylander, S., Kiarboe, T., Shoelja, P., Sommaruga, R. & Nielsen, T. G. 2015 In : Limnology and Oceanography. 60, 6, p. 2197-2206
Publication: Research - peer-review › Journal article – Annual report year: 2015

Connecting the seas of Norden: Commentary
Publication: Research - peer-review › Journal article – Annual report year: 2015

Controlling factors in fish early life history and how they combine to influence trophic links across the North Atlantic Ocean.
Publication: Research › Conference abstract for conference – Annual report year: 2015

Ecological niches of open ocean phytoplankton taxa
Publication: Research - peer-review › Journal article – Annual report year: 2015

Environmental context and trophic trait plasticity in a key species, the tellinid clam Macoma balthica L.
Publication: Research - peer-review › Journal article – Annual report year: 2015

Environmental determinates of blue whiting (Micromesistius poutassou) spawning distribution
Publication: Research › Conference abstract for conference – Annual report year: 2016

Environmental effects on sprat (Sprattus sprattus) physiology and growth at the distribution frontier: A bioenergetic modelling approach
Publication: Research - peer-review › Journal article – Annual report year: 2015

Environmental filtering drives functional diversity of fish assemblages in a temperate system.
Pécuchet, L., Törmöros, A. & Lindegren, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Environmental filtering drives functional diversity of fish assemblages in a temperate system.
Pécuchet, L., Törmöros, A. & Lindegren, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015
Equal temperature-size responses of the sexes are widespread within arthropod species
Publication: Research - peer-review › Journal article – Annual report year: 2015

Et hav fuld af mikroplastik
Publication: Communication › Journal article – Annual report year: 2015

Feeding currents facilitate a mixotrophic way of life
Nielsen, L. T. & Kiørboe, T. 2015 In : ISME Journal. 9, 10, p. 2117-2127
Publication: Research - peer-review › Journal article – Annual report year: 2015

Fisheries-induced neutral and adaptive evolution in exploited fish populations and consequences for their adaptive potential
Marty, L., Dieckmann, U. & Ernande, B. 2015 In : Evolutionary Applications. 8, 1, p. 47-63
Publication: Research - peer-review › Journal article – Annual report year: 2015

Four types of interference competition and their impacts on the ecology and evolution of size-structured populations and communities
Publication: Research - peer-review › Journal article – Annual report year: 2015

How does Calanus helgolandicus maintain its population in a variable environment? Analysis of a 25-year time series from the English Channel
Publication: Research - peer-review › Journal article – Annual report year: 2015

Impacts of the local environment on recruitment – a comparative study of North Sea and Baltic Sea fish stocks
Pécuchet, L., Nielsen, J. R. & Christensen, A. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Interrelations between senescence, life-history traits, and behavior in planktonic copepods
Publication: Research - peer-review › Journal article – Annual report year: 2015

Limits to the reliability of size-based fishing status estimation for data-poor stocks
Publication: Research - peer-review › Journal article – Annual report year: 2015
Long-term functional trends in Baltic Sea coastal macrofauna and fish
Publication: Research › Conference abstract for conference – Annual report year: 2015

Making and using predictions of species distributions to improve survey design
Payne, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Marine Microplastics - Method development for detection of plastic particles from sea water
Lenz, R. & Enders, K. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Mating success and sexual selection in a pelagic copepod, Temora longicornis: Evidence from paternity analyses
Publication: Research - peer-review › Journal article – Annual report year: 2015

Maximum sustainable yield from fisheries: food production, resource rent and conservation
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Measuring evolutionary adaptation of phytoplankton with local field observations
Publication: Research - peer-review › Letter – Annual report year: 2015

Modelling emergent trophic strategies in plankton
Publication: Research - peer-review › Journal article – Annual report year: 2015

Modelling survival and connectivity of Mnemiopsis leidyi in the south-western North Sea and Scheldt estuaries
Publication: Research - peer-review › Journal article – Annual report year: 2015

Network analysis of food risks and crises in the global seafood market
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Novel insight into the role of heterotrophic dinoflagellates in the fate of crude oil spills in the sea
Almeda, R., Connelly, T. L. & Buskey, E. J. 2015
Publication: Research › Report – Annual report year: 2015

Optimal bæredygtig udnyttelse af tilgængelige torskebestande for dansk fiskeri
Publication: Research › Report – Annual report year: 2015
Spatial dynamics of a nutrient-phytoplankton system with toxic effect on phytoplankton
Publication: Research - peer-review › Journal article – Annual report year: 2015

Spatial linkages in the early life history of north eastern Atlantic herring populations across the north of the British Isles
Publication: Research › Conference abstract for conference – Annual report year: 2015

Strengthening confidence in climate change impact science
Publication: Research - peer-review › Journal article – Annual report year: 2014

Synoptic-scale analysis of mechanisms driving surface chlorophyll dynamics in the North Atlantic
Publication: Research - peer-review › Journal article – Annual report year: 2015

Taxonomic and functional diversity patterns of fish assemblages in the European Seas
Pécuchet, L., Hidalgo, M. & Lindegren, M. 2015
Publication: Research › Poster – Annual report year: 2015

Temperature-size responses match latitudinal-size clines in arthropods, revealing critical differences between aquatic and terrestrial species
Publication: Research - peer-review › Journal article – Annual report year: 2015

The Baltic ATLANTIS model: Implementing a holistic framework to evaluate ecosystem wide responses to changes in climate and anthropogenic forcing
Publication: Research › Poster – Annual report year: 2015

The effect of zooplankton on the efficiency of the biological carbon pump
Koski, M. & Pankoke, L. M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

The influence of generalist predators in spatially extended predator-prey systems
Chakraborty, S. 2015 In : Ecological Complexity. 23, p. 50-60
Publication: Research - peer-review › Journal article – Annual report year: 2015

The predictive potential of ecological niche models for plankton in the North Atlantic
Brun, P. G., Kierboe, T. & Licandro, P. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

The role of deep convection on the dynamics of the North Atlantic phytoplankton community
Publication: Research › Ph.D. thesis – Annual report year: 2015

Trade-offs between objectives for ecosystem management of fisheries
Andersen, K. H., Brander, K. & Ravn-Jonsen, L. 2015 In : Ecological Applications. 25, 5, p. 1390-1396
Publication: Research - peer-review › Journal article – Annual report year: 2014
Understanding diversity shifts by characterising the community
Fredricson, J. & Payne, M. 2015
Publication: Research › Conference abstract for conference – Annual report year: 2015

Understanding observed copepod distributions with a trait data base
Brun, P. G., Kiørboe, T. & Payne, M. 2015
Publication: Research › Poster – Annual report year: 2015

What are the major global threats and impacts in marine environments? Investigating the contours of a shared perception among marine scientists from the bottom-up
Publication: Research - peer-review › Journal article – Annual report year: 2015

When bigger is better - a theoretical and empirical examination of factors contributing to selection on offspring size in fish
Publication: Research › Ph.D. thesis – Annual report year: 2015

Zooplankton Hydrodynamics: An investigation into the physics of aquatic interactions
Publication: Research › Ph.D. thesis – Annual report year: 2015

A cascade of warming impacts brings bluefin tuna to Greenland waters
Publication: Research › Conference abstract for conference – Annual report year: 2014

A cascade of warming impacts brings bluefin tuna to Greenland waters
Publication: Research - peer-review › Journal article – Annual report year: 2014

Accuracy and precision in the calculation of phenology metrics
Publication: Research - peer-review › Journal article – Annual report year: 2015

A comparison of multispecies models with potential use for strategic fisheries management
Jacobsen, N. S. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

A demonstration of an integrated ecosystem assessment and advice for Baltic Sea fish stocks
Publication: Research › Conference abstract for conference – Annual report year: 2014

A life-history evaluation of the impact of maternal effects on recruitment and fisheries reference points
Publication: Research - peer-review › Journal article – Annual report year: 2014
A metacommunity perspective on source-sink dynamics and management: the Baltic Sea as a case study
Lindegren, M., Andersen, K. H., Casini, M. & Neuenfeldt, S. 2014 In : Ecological Applications. 24, 7, p. 1820-1832
Publication: Research - peer-review › Journal article – Annual report year: 2014

Analysis of self-overlap reveals trade-offs in plankton swimming trajectories
Publication: Research - peer-review › Journal article – Annual report year: 2014

A resolution to the blue whiting (Micromesistius poutassou) population paradox?
Publication: Research - peer-review › Journal article – Annual report year: 2014

A Sustainability Index of potential co-location of offshore wind farms and open water aquaculture
Bennassai, G., Mariani, P., Stenberg, C. & Christoffersen, M. 2014 In : Ocean & Coastal Management. 95, p. 213-218
Publication: Research - peer-review › Journal article – Annual report year: 2014

A synthesis of the distribution of Mnemiopsis leidyi in European waters
Publication: Research › Poster – Annual report year: 2014

Bioavailability and radiocarbon age of fluvial dissolved organic matter (DOM) from a northern peatland-dominated catchment: effect of land-use change
Publication: Research - peer-review › Journal article – Annual report year: 2014

Biogeographic classification of the Caspian Sea
Publication: Research - peer-review › Journal article – Annual report year: 2014

Body shape shifting during growth permits tests that distinguish between competing geometric theories of metabolic scaling
Publication: Research - peer-review › Journal article – Annual report year: 2014

Bridging the gap between marine biogeochemical and fisheries sciences; configuring the zooplankton link
Publication: Research - peer-review › Journal article – Annual report year: 2014

Capital versus income breeding in a seasonal environment
Publication: Research - peer-review › Journal article – Annual report year: 2014

Changes in the C, N, and P cycles by the predicted salps-krill shift in the southern ocean
Publication: Research - peer-review › Journal article – Annual report year: 2014
Comparative ecology of widely distributed pelagic fish species in the North Atlantic: Implications for modelling climate and fisheries impacts
Publication: Research - peer-review › Journal article – Annual report year: 2014

Controls of dissolved organic matter quality: Evidence from a large-scale boreal lake survey
Publication: Research - peer-review › Journal article – Annual report year: 2014

Dealing with the presence of the ciliate Euplotes sp. in cultures of the copepod Acartia tonsa
Publication: Research - peer-review › Journal article – Annual report year: 2014

Den bedste forskning ligger på grænsen mellem discipliner
Publication: Communication › Internet publication – Annual report year: 2014

Distributional shifts of species in the North Atlantic: the rule or the exception?
Payne, M. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

Does copepod size determine food consumption of particulate feeding fish?
Publication: Research - peer-review › Journal article – Annual report year: 2013

Does the ‘snot’ of the oceans matter? Engaging with the public on gelatinous zooplankton. Lessons learned from The Danish Eel Expedition 2014
Reeh, L., Jaspers, C., Sørensen, S. R., Christoffersen, M., Nielsen, T. G. & Munk, P. 2014
Publication: Research › Conference abstract for conference – Annual report year: 2014

Dynamic Energy Budget theory: a means to develop competences in sustainable use of biological systems
Publication: Research › Conference abstract in proceedings – Annual report year: 2014

Eels in culture, fisheries and science in Denmark
Publication: Research - peer-review › Book chapter – Annual report year: 2013

Effects of temperature on life history set the sensitivity to fishing in Atlantic cod Gadus morhua
Publication: Research - peer-review › Journal article – Annual report year: 2014

Evaluating pyrene toxicity on Arctic key copepod species Calanus hyperboreus
Publication: Research - peer-review › Journal article – Annual report year: 2013

Evaluating targets and trade-offs among fisheries and conservation objectives using a multispecies size spectrum model
Fishing out collective memory of migratory schools

Fisker og fremtidens nytårstorsk

Fitness costs and benefits of ultraviolet radiation exposure in marine pelagic copepods

Flow disturbances generated by feeding and swimming zooplankton

Forecasting fish stock dynamics under climate change: Baltic herring (Clupea harengus) as a case study

Forskning på tværs af faggrænser
Kiørboe, T., Andersen, A. P. & Bohr, T. 2014 In : Aktuel Naturvidenskab. 1

From fish to phytoplankton

Hazard Warning: model misuse ahead

How can we distinguish between competing explanations of year class strength?

How important is diversity for capturing environmental-change responses in ecosystem models?

Hydrodynamics and energetics of jumping copepod nauplii and copepodids

Inter- and intra-specific diurnal habitat selection of zooplankton during the spring bloom observed by Video Plankton Recorder
Krill diversity and population structure along the sub-Arctic Godthåbsfjord, SW Greenland
Publication: Research - peer-review › Journal article – Annual report year: 2014

KYSTFISK I. Udviklingen i kystnære fiskebestande. Slutrapport
Publication: Research › Report – Annual report year: 2014

Lækre lopper scorer bedst
Kiørboe, T. & Sichlau, M. H. 2014 In : Aktuel naturvidenskab. 3, p. 8-12
Publication: Communication › Journal article – Annual report year: 2014

Lækre lopper scorer bedst
Publication: Communication › Internet publication – Annual report year: 2014

Low fertilization rates in a pelagic copepod caused by sexual selection?
Publication: Research - peer-review › Journal article – Annual report year: 2014

Macroevolutionary patterns of sexual size dimorphism in copepods
Publication: Research - peer-review › Journal article – Annual report year: 2014

Marine copepods and solar radiation
Publication: Research - peer-review › Book chapter – Annual report year: 2014

Marine microplastics - Method development for detection of plastic particles from sea water down to 10 μm
Publication: Research › Conference abstract in proceedings – Annual report year: 2014

Mechanisms behind the metabolic flexibility of an invasive comb jelly
Publication: Research - peer-review › Journal article – Annual report year: 2014

Mechanisms of prey size selection in a suspension feeding copepod, Temora longicornis
Gonçalves, R., van Someren Gréve, H., Couespel, D. F. & Kiørboe, T. 2014 In : Marine Ecology Progress Series. 517, p. 61-74
Publication: Research - peer-review › Journal article – Annual report year: 2014

mizer: an R package for multispecies, trait-based and community size spectrum ecological modelling
Publication: Research - peer-review › Journal article – Annual report year: 2014

Modelled spatial and seasonal distribution of Blue Whiting (Micromesistius poutassou) larvae in the North-East Atlantic (1951 to 2005)
Pointin, F. & Payne, M. 2014
Publication: Research › Dataset – Annual report year: 2014
Non-consumptive effects of predator presence on copepod reproduction: insights from a mesocosm experiment
Publication: Research - peer-review › Journal article – Annual report year: 2014

Novel insight into the role of heterotrophic dinoflagellates in the fate of crude oil in the sea
Almeda, R., Connelly, T. L. & Buskey, E. J. 2014 In : Scientific Reports. 4, 7560
Publication: Research - peer-review › Journal article – Annual report year: 2015

OpenFluor - an online spectral library of auto-fluorescence by organic compounds in the environment
Publication: Research - peer-review › Journal article – Annual report year: 2014

Phytoplankton bloom and subpolar gyre induced dynamics in the North Atlantic
Publication: Research › Conference abstract for conference – Annual report year: 2014

Phytoplankton bloom and subpolar gyre induced dynamics in the North Atlantic
Publication: Research › Poster – Annual report year: 2014

Plankton med solskydd
Publication: Communication › Journal article – Annual report year: 2014

Population dynamic of high latitude copepods - with emphasis on Metridia longa
Publication: Research › Ph.D. thesis – Annual report year: 2014

Population dynamics and production of the small copepod Oithona spp. in a subarctic fjord of West Greenland
Publication: Research - peer-review › Journal article – Annual report year: 2014

Prey or predator – expanding the food web role of sandeel (Ammodytes marinus)
Eigaard, O. R., Deurs, M. V., Behrens, J., Bekkevold, D., Brander, K., Plambech, M., Schreiber Plet-Hansen, K. & Mosegaard, H. 2014 In : Marine Ecology Progress Series. 516, p. 267-273
Publication: Research - peer-review › Journal article – Annual report year: 2014

Re-assessing copepod growth using the Moult Rate method
Publication: Research - peer-review › Journal article – Annual report year: 2014

Route optimisation and solving Zermelo’s navigation problem during long distance migration in cross flows
Publication: Research - peer-review › Journal article – Annual report year: 2013

Sea surface temperature variability at the Scrippes Institution of Oceanography Pier
Publication: Research - peer-review › Journal article – Annual report year: 2014
Sexual selection in marine plankton
Publication: Research › Ph.D. thesis – Annual report year: 2014

Shifts in mass-scaling of respiration, feeding, and growth rates across life-form transitions in marine pelagic organisms
Publication: Research - peer-review › Journal article – Annual report year: 2014

Size-based predictions of food web patterns
Publication: Research - peer-review › Journal article – Annual report year: 2014

Stratification-mixing cycles and plankton dynamics in a shallow estuary (Limfjord, Denmark)
Publication: Research - peer-review › Journal article – Annual report year: 2013

Temporal trends in age and size at maturation of four North Sea gadid populations: cod, haddock, whiting, and Norway pout
Marty, L., Rochet, M-J. & Ernande, B. 2014 In : Marine Ecology - Progress Series. 497, p. 179-197
Publication: Research - peer-review › Journal article – Annual report year: 2014

The Baltic ATLANTIS model: Implementing a holistic framework to evaluate ecosystem wide responses to changes in climate and anthropogenic forcing
Publication: Research › Poster – Annual report year: 2014

The bijection from data to parameter space with the standard DEB model quantifies the supply–demand spectrum
Publication: Research - peer-review › Journal article – Annual report year: 2014

The Biological carbon pump in the North Atlantic
Publication: Research - peer-review › Journal article – Annual report year: 2014

The chemical ecology of copepods
Publication: Research - peer-review › Journal article – Annual report year: 2014

The community structure of over-wintering larval and small juvenile fish in a large estuary
Munk, P., Cardinale, M., Casini, M. & Rudolphi, A-C. 2014 In : Estuarine, Coastal and Shelf Science. 139, p. 27-39
Publication: Research - peer-review › Journal article – Annual report year: 2014

The first “lost year” of Mediterranean sea turtles: dispersal patterns indicate subregional management units for conservation
Casale, P. & Mariani, P. 2014 In : Marine Ecology Progress Series. 498, p. 263-274
Publication: Research - peer-review › Journal article – Annual report year: 2014

The Mystery of Microsetella – Combination of egg- and broadcast spawning in an Arctic fjord?
Publication: Research - peer-review › Journal article – Annual report year: 2013
The North Atlantic Ocean as habitat for Calanus finmarchicus: environmental factors and life history traits
Publication: Research - peer-review › Journal article – Annual report year: 2014

Trophic role and top-down control of a subarctic protozooplankton community
Riisgaard, K., Swalethorp, R., Kjellerup, S., Juul-Pedersen, T. & Nielsen, T. G. 2014 In : Marine Ecology Progress Series. 500, p. 67-82
Publication: Research - peer-review › Journal article – Annual report year: 2014

Where have all the coast fish gone?
Publication: Research › Poster – Annual report year: 2014

Acquired phototrophy in Mesodinium and Dinophysis – A review of cellular organization, prey selectivity, nutrient uptake and bioenergetics
Hansen, P. J., Nielsen, L. T., Johnson, M., Berge, T. & Flynn, K. J. 2013 In : Harmful Algae. 28, p. 126-139
Publication: Research - peer-review › Journal article – Annual report year: 2013

Analyse af marint affald i sild og hvilling fra det nordlige Storebælt
Publication: Commissioned › Report – Annual report year: 2013

Analyzing migrations of Atlantic cod Gadus morhua in the north-east Atlantic Ocean: Then, now and the future
Publication: Research - peer-review › Journal article – Annual report year: 2013

A neural network-based estimate of the seasonal to inter-annual variability of the Atlantic Ocean carbon sink
Publication: Research - peer-review › Journal article – Annual report year: 2013

A stable-isotope mass spectrometry-based metabolic footprinting approach to analyze exudates from phytoplankton
Publication: Research - peer-review › Journal article – Annual report year: 2013

A state-space model for estimating detailed movements and home range from acoustic receiver data
Pedersen, M. W. & Weng, K. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Attack or attacked: The sensory and fluid mechanical constraints of copepods' predator–prey interactions
Kierboe, T. 2013 In : Integrative and Comparative Biology. 53, 5, p. 821-831
Publication: Research - peer-review › Journal article – Annual report year: 2013

Behavioral traits and their trade-off in the plankton
Visser, A. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Bioavailability of riverine dissolved organic matter in three Baltic Sea estuaries and the effect of catchment land use
Publication: Research - peer-review › Journal article – Annual report year: 2013
Early development of Calanus hyperboreus nauplii: Response to a changing ocean
Jung-Madsen, S., Nielsen, T. G., Grønkjær, P., Hansen, B. W. & Møller, E. F. 2013 In : Limnology and Oceanography. 58 , 6, p. 2109-2121
Publication: Research - peer-review › Journal article – Annual report year: 2013

Early life of inshore fishes in Greenland: With emphasis on Atlantic cod (Gadus morhua)
Publication: Research › Ph.D. thesis – Annual report year: 2013

Effect of type and concentration of ballasting particles on sinking rate of marine snow produced by the Appendicularian Oikopleura dioica
Lombard, F., Guidi, L. & Kiorboe, T. 2013 In : PLoS ONE. 8, 9, e75676
Publication: Research - peer-review › Journal article – Annual report year: 2013

Effects of angling and manual handling on pike behaviour investigated by high-resolution positional telemetry
Publication: Research - peer-review › Journal article – Annual report year: 2013

Effekt af øget pH på forårsopblomstringen i Arktis
Riisgaard, K., Hansen, P. J. & Nielsen, T. G. 2013
Publication: Research › Poster – Annual report year: 2013

En spektral lysdæmpningsmodel for 2 grønlandske fjorde
Murray, C., Stedmon, C., Markager, S., Pedersen, T. J. & Sejr, M. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Estimating phytoplankton phenology metrics from noisy, gappy data
Publication: Research › Poster – Annual report year: 2013

Feeding season duration and the relative success of capital and income spawning copepods
Sainmont, J., Varpe, Ø., Andersen, K. H. & Visser, A. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Female-biased sex ratios in marine pelagic copepods: Comment on Gusmao et al. (2013)
Hirst, A. G., Bonnet, D., Conway, D. V. P. & Kiorboe, T. 2013 In : Marine Ecology Progress Series. 489, p. 297-298
Publication: Research - peer-review › Comment/debate – Annual report year: 2013

Fisheries: Climate change at the dinner table
Publication: Research - peer-review › Journal article – Annual report year: 2013

Fisheries-induced neutral and adaptive evolution at the genotypic and phenotypic levels in exploited fish populations
Marty, L., Diekmann, U. & Emande, B. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Fisheries: Manage declines
Publication: Research › Comment/debate – Annual report year: 2013
Fish larvae community structuring by prey and environmental conditions within a glacial impacted Greenlandic fjord system
Swalethorp, R., Malanski, E., Agersted, M. D., Nielsen, T. G. & Munk, P. 2013
Publication: Research › Paper – Annual report year: 2013

Fluorescence spectroscopy and multi-way techniques. PARAFAC
Publication: Research - peer-review › Journal article – Annual report year: 2013

Food for thought: Overconfidence in model projections
Brander, K., Neuheimer, A., Andersen, K. H. & Hartvig, M. 2013 In : ICES Journal of Marine Science. 70, 6, p. 1065-1068
Publication: Research - peer-review › Journal article – Annual report year: 2013

Food preferences in Atlantic cod larvae, Gadus morhua, in Godthåbsfjord, Greenlandic waters
Malanski, E., Swalethorp, R., Munk, P. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Forhøjet overlevelse og vækst gennem tidsmæssig og rumlig fordeling af torskeæg og larver fra en arktisk fjordpopulation af atlantisk torsk
Swalethorp, R., Munk, P. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

From phytoplankton to fish
Publication: Research › Conference abstract for conference – Annual report year: 2014

Global imprint of climate change on marine life
Publication: Research - peer-review › Journal article – Annual report year: 2014

Haemoglobin genotypes in cod (Gadus morhua L): their geographic distribution and physiological significance
Publication: Research - peer-review › Review – Annual report year: 2013

Havets duft
Kiørboe, T., Heuschele, J. & Selander, E. 2013 In : Aktuel naturvidenskab. 3, p. 30-34
Publication: Communication › Journal article – Annual report year: 2013

Immigranter sydfra på tallerkenen
Payne, M. & Kiørboe, T. 2013 20, Weekendavisen
Publication: Communication › Newspaper article – Annual report year: 2013

Infection of North Sea cod (Gadus morhua L.) postlarvae and juveniles with the parasites Hysterothylacium aduncum Rudolphi and Caligus sp.
Publication: Research › Conference abstract for conference – Annual report year: 2013
Inner filter correction of dissolved organic matter fluorescence
Publication: Research - peer-review › Journal article – Annual report year: 2014

Klorofyl i arktiske farvande målt med satellit
Howe, E., Høyer, J. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Konkurrerer krill om føden?
Agersted, M. D. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Kril – not a fussy eater
Agersted, M. D. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Linking optical and chemical properties of dissolved organic matter in natural waters
Publication: Research - peer-review › Journal article – Annual report year: 2013

Live discrimination of Calanus glacialis and C. finmarchicus females – can we separate sibling species?
Kjellerup, S., Lindeque , P. & Nielsen, T. G. 2013
Publication: Research › Poster – Annual report year: 2013

Marine climate change research in Nordic regions: recent trends and current state
Publication: Research › Poster – Annual report year: 2013

Measuring small organisms under microscope: the case for fish larvae
Malanski, E. & Muelbert, J. H. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Mesozooplankton abundance data from Disko Bay, West Greenland, 2008
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013

Mesozooplankton abundance data from the fjord branch Kapisigdlit located in the Godthaabsfjord system, West Greenland, 2010
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013

Mesozooplankton biomass data from Disko Bay, West Greenland, 2008
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013

Mesozooplankton biomass data from the Kapisigdlit an inner fjord branch of the Godthaabsfjord system, West Greenland, 2010
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013
Mesozooplankton size data from Disko Bay, West Greenland, 2008
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013

Mesozooplankton size data from the fjord branch Kapisigdlit located in the Godthaabsfjord system, West Greenland
Swalethorp, R., Kjellerup, S. & Nielsen, T. G. 2013
Publication: Research › Dataset – Annual report year: 2013

Metridia longa - en overset nøgleart i det arktiske marine økosystem?
Kjellerup, S., Swalethorp, R. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Mikrobiel dannelse af sværtnedbrydelige organiske humusstoffer i arktiske egne
Jørgensen, L., Middelboe, M. & Stedmon, C. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Mikrobielle interaktioner i Nordatlanten
Paulsen, M. L., Riisgaard, K. & Nielsen, T. G. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Molecular evidence for bipolar distribution of sea ice algae: A phylogenetic study on Polarella glacialis (Dinophyceae) from Arctic and Antarctic
Harðardóttir, S., Nielsen, T. G. & Lundholm, N. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Novel insight from Mnemiopsis ecophysiological data using a coherent framework
Publication: Research › Conference abstract for conference – Annual report year: 2013

Olien og vandloppen - effekten af pyren på Calanus hyperboreus
Nørregaard, R. D., Nielsen, T. G., Møller, E. F. & Strand, J. 2013
Publication: Research › Poster – Annual report year: 2013

Optimal foraging and diel vertical migration in a life history model
Sainmont, J., Andersen, K. H. & Visser, A. 2013
Publication: Research › Poster – Annual report year: 2013

Optimal foraging in marine ecosystem models: selectivity, profitability and switching
Visser, A. W. & Fiksen, Ø. 2013 In : Marine Ecology Progress Series. 473, p. 91-101
Publication: Research - peer-review › Journal article – Annual report year: 2013

Phytoplankton community effects on productivity changes in a global reduced mixing scenario
Prowe, F., Pahtlow, M. & Oschlies, A. 2013
Publication: Research › Poster – Annual report year: 2013

Plankton beskytter sig med solcreme
Publication: Communication › Internet publication – Annual report year: 2013

Plankton community structure and role of Oithona similis on the western coast of Greenland during the winter-spring transition
Zamora-Terol, S., Nielsen, T. G. & Saiz, E. 2013 In : Marine Ecology Progress Series. 483, p. 85-102
Publication: Research - peer-review › Journal article – Annual report year: 2013
Plankton med helgardering
Nielsen, L. T. & Kiørboe, T. 2013 31, Weekendavisen
Publication: Communication › Newspaper article – Annual report year: 2013

Planktonøkologi i ørkenen
Enghoff-Poulsen, S. & Nielsen, T. G. 2013 In : Aktuel Naturvidenskab. 4, p. 18-22
Publication: Communication › Journal article – Annual report year: 2013

Preferential feeding in West Greenlandic inshore cod larvae (Gadus morhua) – relationship between prey availability and larval distribution
Swalethorp, R., Kjellerup, S., Malanski, E., Munk, P. & Nielsen, T. G. 2013
Publication: Research › Paper – Annual report year: 2014

Prey/predator size ratio in feeding of Temora Longicornis
Gonçalves, R. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Projected impacts of climate change on marine fish and fisheries
Publication: Research - peer-review › Journal article – Annual report year: 2013

Radiocarbon age, lability and optical fingerprints of riverine dissolved organic matter exported from a northern peat-dominated catchment
Hulatt, C. J., Kaartokallio, H. K., Stedmon, C., Sonnininen, E., Oinonen, M. & Thomas, D. N. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Recruitment decline in North Sea herring is accompanied by reduced larval growth rates
Payne, M., Ross, S. D., Worsøe Clausen, L., Munk, P., Mosegaard, H. & Nash, R. D. M. 2013 In : Marine Ecology - Progress Series. 489, p. 197-211
Publication: Research - peer-review › Journal article – Annual report year: 2013

Relative success of income and capital breeder in a seasonal environment
Sainmont, J. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Reproduction of European eel and larval culture: state of the art
Publication: Research › Paper – Annual report year: 2014

Riverine dissolved organic matter in three boreal estuaries entering the Baltic Sea
Asmala, E., Autio, R., Kaartokallio, H., Pitkänen, L., Stedmon, C. & Thomas, D. N. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Seasonal dynamics of early life stages of invasive and native ctenophores give clues to invasion and bloom potential in the Baltic Sea
Publication: Research - peer-review › Journal article – Annual report year: 2013
Seksuel selektion hos en pelagisk copepod, Temora longicornis
Sichlau, M. H., Eg Nielsen, E. & Kiørboe, T. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Selective incorporation of dissolved organic matter (DOM) during sea ice formation
Publication: Research - peer-review › Journal article – Annual report year: 2013

Sensory capabilities and food capture of two small copepods, Paracalanus parvus and Pseudocalanus sp.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Sørupssvømmerne
Kiørboe, T. & Andersen, A. 2013 19, Weekendavisen
Publication: Communication › Newspaper article – Annual report year: 2013

Small diversity effects on ocean primary production under environmental change in a diversity-resolving ocean ecosystem model
Publication: Research - peer-review › Journal article – Annual report year: 2013

Some like it hot, some not – Arktiske vandloppers respons på fremtidige temperaturstigninger
Jung-Madsen, S., Nielsen, T. G. & Hansen, B. W. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

The biogeography of marine plankton traits
Publication: Research - peer-review › Review – Annual report year: 2013

The dynamics of the marine nitrogen cycle across the last deglaciation
Publication: Research - peer-review › Journal article – Annual report year: 2013

The North Sea autumn spawning herring (Clupea harengus L.) Spawning Component Abundance Index (SCAI)
Payne, M. 2013
Publication: Research › Dataset – Annual report year: 2013

To eat and not be eaten: En dag i en vandloppes liv
Kiørboe, T. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Towards an adaptive evolutionary and ecological trait-based model
Lindemann, C., Palacz, A. & Prowe, F. 2013
Publication: Research › Poster – Annual report year: 2013

Trait-based approaches to zooplankton communities
Publication: Research - peer-review › Journal article – Annual report year: 2013

Trait-based modeling of trophic chains and seasonal forcing
Martens, E. A. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013
Trait-based plankton trophic interactions and community composition in a global ocean ecosystem model
Prowe, F., Andersen, K. H., Kiørboe, T. & Visser, A. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Traits and trade-offs in microzooplankton feeding modes: from filter feeding choanoflagellates to ambush feeding dinoflagellates
Nielsen, L. T. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Variability of North Sea pH and CO2 in response to North Atlantic Oscillation forcing
Publication: Research - peer-review › Journal article – Annual report year: 2013

Zooplankton body composition
Kiørboe, T. 2013 In : Limnology and Oceanography. 58, 5, p. 1843-1850
Publication: Research - peer-review › Journal article – Annual report year: 2013

Zooplankton feeding traits and community composition in a global ecosystem model
Prowe, F., Andersen, K. H., Kiørboe, T. & Visser, A. 2013
Publication: Research › Conference abstract for conference – Annual report year: 2013

Zooplankton feeding traits and community composition in a global ecosystem model
Prowe, F., Andersen, K. H., Kiørboe, T. & Visser, A. 2013
Publication: Research › Poster – Annual report year: 2013

Effects of ocean acidification, temperature and nutrient regimes on the appendicularian Oikopleura dioica: a mesocosm study
Publication: Research - peer-review › Journal article – Annual report year: 2012

Publication: Research › Report – Annual report year: 2013

Reproduction of European eel: towards a self-sustained aquaculture (PRO-EEL)
Publication: Research › Conference abstract for conference – Annual report year: 2013

State-space models for bio-loggers: A methodological road map
Publication: Research - peer-review › Journal article – Annual report year: 2012

Subpolar gyre strength influences phytoplankton bloom dynamics
Publication: Research › Conference abstract for conference – Annual report year: 2012
Weak subpolar Gyre lead to early blooms
Publication: Research › Conference abstract for conference – Annual report year: 2012

Monitoring organic loading to swimming pools by fluorescence excitation–emission matrix with parallel factor analysis (PARAFAC)
Publication: Research - peer-review › Journal article – Annual report year: 2011

Phytoplankton spring bloom influence on larval and juvenile fish survival
Publication: Research › Conference abstract for conference – Annual report year: 2011

Expected rate of fisheries-induced evolution is slow
Andersen, K. H. & Brander, K. 2009
Publication: Research › Poster – Annual report year: 2009

Productivity patterns and abundance-area relationships in 3 marine fish species (cod, herring and haddock); meta-analyses on the effects of temperature, life-history and habitat size across the N Atlantic
Mantzouni, I. & MacKenzie, B. 2009
Publication: Research › Conference abstract for conference – Annual report year: 2009

What can we learn from the stock collapse and recovery of North Sea herring? A review
Publication: Research › Conference abstract for conference – Annual report year: 2009

Coprophagy in copepods and in a natural zooplankton community
Poulsen, L. K. & Kiørboe, T. 2004
Publication: Research › Conference abstract for conference – Annual report year: 2004

The wave plus current flow over vortex ripples at an arbitrary angle
Andersen, K. H. & Faraci, C. 2003 In : Coastal Engineering. 47, 4, p. 431-441
Publication: Research - peer-review › Journal article – Annual report year: 2003

Projects:

Mechanistic approach to ocean ecology (39427)
Kiørboe, T., Andersen, K. H., Visser, A. & Chakraborty, S. 01/01/2017 → 30/06/2020
Project

Marine management of ecosystem dynamics under climate change (MARmaED) (39300)
Andersen, K. H., Lindegren, M., van Gemert, R. & Beukhof, E. 01/10/2015 → 01/10/2019
Project

Ocean Literacy capacity for DK
Grigorov, I., Kiørboe, T. & Canal-Vergés, P. 01/05/2015 → 30/09/2015
Project
EUROMARINE Consortium (39185)
Mariani, P.
01/01/2014 → 31/12/2017
Project

Center for Ocean Life (COOL) - a Villum-Kahn Rasmussen Centre of excellence for the study of life in a changing ocean (38960)
01/01/2012 → 31/12/2017
Project

Optical properties of Greenlandic coastal waters: modeling light penetration in a changing climate (38931)
Stedmon, C.
01/01/2011 → 31/12/2012
Project

Climate change on marine ecosystems and resource economics (NorMER) (38898)
01/01/2011 → 31/12/2015
Project

Improvement of aquaculture high quality fish fry production (IMPAQ) (38904)
Kiørboe, T. & Støttrup, J. G.
01/01/2011 → 31/01/2016
Project

Integration of European marine research networks of excellence (EUROMARINE) (38903)
Mariani, P. & MacKenzie, B.
01/01/2011 → 31/01/2013
Project

Match and mismatch in the ocean (38897)
Payne, M.
01/01/2011 → 01/04/2012
Project

Response of pelagic food webs to warmer, acidified oceans (Pelagic foods) (38923)
Dutz, J. & Koski, M.
01/01/2011 → 31/12/2011
Project

Trait based plankton ecology (38896)
Kiørboe, T., Andersen, K. H., Nielsen, T. G., Thygesen, U. H. & Mariani, P.
01/01/2011 → 31/12/2013
Project

Physical oceanography in Greenland waters under climate change (38767)
Visser, A. & Koski, M.
01/01/2010 → 31/12/2014
Project

Advanced modelling tool for scenarios of the Baltic Sea ecosystem to support decision making (ECOSUPPORT) (38733)
MacKenzie, B., Eero, M., Lindegren, M. & Neuenfeldt, S.
01/01/2009 → 31/12/2011
Project
Baltic zooplankton cascades (BAZOOCA) (38584)
Kiørboe, T. & Jaspers, C.
01/01/2009 → 14/07/2012
Project

Marine fish atlas of Denmark (38852)
MacKenzie, B., Støttrup, J. G. & Hoffmann, E.
01/01/2009 → 31/12/2013
Project

The biological pump in the Nordic seas: Copepods and appendicularians as producers and consumers of sinking particles (BIOPUMP) (38757)
Koski, M., Kiørboe, T. & Dutz, J.
01/01/2008 → 01/05/2013
Project

Elucidating the structure and functioning of marine ecosystems through synthesis and comparative analysis (META-OCEANS) (38154)
01/03/2006 → 09/12/2011
Project

Fatty acids in the marine food chain (38160)
Jonasdottir, S., Koski, M. & Dutz, J.
01/01/2004 → 31/12/2013
Project

Activities:

Complex Motion in Fluids Summer School
24 Sep 2017 → 29 Sep 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

EGU2017-18355 Passive vs Active Knowledge Transfer: boosting grant proposal impact
Grigorov, I. (Speaker), Georgia Bayliss-Brown (Other), David Murphy (Other), Thøgersen, T. L. (Other), Mariani, P. (Other)
24 Apr 2017
Activity: Talks and presentations › Conference presentations

ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
Payne, M. (Participant)
2015
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Benchmark Workshop on Pelagic Stocks - WKPELA (External organisation)
Payne, M. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on the Ecosystem Effects of Fishing Activities - WGECO (External organisation)
Jacobsen, N. S. (Participant)
2014
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar
ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
Payne, M. (Participant)
2014
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

ASLO 2013 Aquatic Sciences Meeting
Sichlau, M. H. (Participant)
2013 → …
Activity: Attending an event › Participating in or organising a conference

ASLO 2013 Aquatic Sciences Meeting
Sichlau, M. H. (Participant)
2013 → …
Activity: Attending an event › Participating in or organising a conference

ICES - Benchmark Workshop on Pelagic Stocks - WKPELA (External organisation)
Payne, M. (Participant)
2013 → …
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

ICES - Herring Assessment Working Group for the Area South of 62ºN - HAWG (External organisation)
Payne, M. (Participant)
2013 → …
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

ICES - Working Group on Widely Distributed Stocks - WGWIDE (External organisation)
Payne, M. (Participant)
2013 → …
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Global Assessment of the Implications of Climate Change on the Spatial Distribution of Fish and Fisheries - WKSICCME-Spatial (External organisation)
Payne, M. (Participant)
2013 → …
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

ICES - Workshop on Northeast Atlantic mackerel monitoring and methodologies including science and industry involvement - WKNAMMM (External organisation)
Payne, M. (Participant)
2013 → …
Activity: Membership › Membership of commitees, commissions, boards, councils, associations, organisations, or similar

Et arktis i problemer
Nielsen, T. G. (Lecturer)
21 Nov 2013
Activity: Talks and presentations › Conference presentations

Galathea - 3
Nielsen, T. G. (Invited speaker)
19 Nov 2013
Activity: Talks and presentations › Conference presentations

Nordic-Baltic IHSS Symposium
Stedmon, C. (Invited speaker)
10 Jun 2013 → 12 Jun 2013
37th Annual Larval Fish Conference
Malanski, E. (Participant)
2 Jun 2013 → 6 Jun 2013
Activity: Attending an event › Participating in or organising a conference

Effekter af olie på den Arktiske marine fødkæde
Nielsen, T. G. (Invited speaker)
16 Apr 2013
Activity: Talks and presentations › Conference presentations

Gordon Research Conference: Polar Marine Science
Stedmon, C. (Invited speaker)
11 Mar 2013
Activity: Talks and presentations › Conference presentations

ASLO 2013 Aquatic Sciences Meeting
Agersted, M. D. (Speaker)
22 Feb 2013
Activity: Talks and presentations › Conference presentations

17. Danske havforskermøde
Agersted, M. D. (Speaker)
21 Jan 2013 → 23 Jan 2013
Activity: Talks and presentations › Conference presentations

Nordic Centre for Research on Marine Ecosystems and Resources under Climate Change (External organisation)
Malanski, E. (Participant)
1 Dec 2012 → 30 Nov 2015
Activity: Membership › Membership of research networks or expert groups

Prizes:

Science without Borders - Brazil
Evandro Malanski (Recipient), 1 Dec 2012
Prize: Prizes, scholarships, distinctions