

TOVE M. GABRIELSEN

SCIENTIFIC PUBLICATIONS

- Hegseth EN, Assmy P, Wiktor JM, Wiktor JMJ, Kristiansen S, Leu E, Tverberg V, Gabrielsen TM, Skogseth R, Cottier F (in revision). Phytoplankton seasonal dynamics in Kongsfjorden, Svalbard and the adjacent shelf.
- Meshram AR, Vader A, Kristiansen S, Gabrielsen TM (provisionally accepted) Microbial eukaryotes in an Arctic under-ice spring bloom situation north of Svalbard. *Frontiers in Microbiology*.
- Cleary AC, Søreide JE, Freese D, Niehoff B, Gabrielsen TM (accepted). Feeding by *Calanus glacialis* in an arctic fjord: potential seasonal importance of fungal spores and worm early life stages as prey. *ICES Journal of Marine Science*.
- Kubiszyn AM, Wiktor JM, Wiktor JMJ, Griffiths C, Kristiansen S, Gabrielsen TM (2017). The annual planktonic protist community structure in an ice-free Arctic fjord. *Journal of Marine Systems* (in press).
- Darnis G, Hobbs L, Geoffroy M, Grenvald JC, Renaud PE, Berge J, Cottier F, Kristiansen S, Daase M, Søreide JE, Wold A, Morata N, Gabrielsen TM (2017) From polar night to midnight sun: Diel vertical migration, metabolism and biogeochemical role of zooplankton in a high Arctic fjord (Kongsfjorden, Svalbard). *Limnology and Oceanography*, doi: 10.1002/lno.10519.
- Leinaas HP, Jalal M, Gabrielsen TM, Hessen DO (2016). Inter-and intraspecific variation in body-and genome size in calanoid copepods from temperate and arctic waters. *Ecology and Evolution*, 6, 5585-5595, doi: 10.1002/ece3.2302.
- Sjøtun K, Heggøy E, Gabrielsen TM, Rueness J (2016). *Dasya adela* sp. Nov. (Rhodophyta, Ceramiales), an enigmatic new *Dasya* from a landlocked fjord in southwest Norway. *Phycological Research*, 64, 79-94. DOI: 10.1111/pre.12121.
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- Marquardt M, Vader A, Stubner EI, Reigstad M, Gabrielsen TM (2016). Strong seasonality of marine microbial eukaryotes in a high-Arctic fjord (Isfjorden, West Spitsbergen). *Applied and Environmental Microbiology*, 82, 6, doi: 10.1128/AEM.03208-15.
- Wiedmann I, Reigstad M, Marquardt M, Vader A, Gabrielsen TM (2016). Seasonality of vertical flux and sinking particle characteristics in an ice-free high arctic fjord – different from subarctic fjords? *Journal of Marine Systems*, 154, doi: 10.1016/j.jmarsys.2015.10.003.
- Berge J, Daase M, Renaud P et al. (2015). Life in the dead of night: unexpected biological activity during the polar night offer a new perspective on Arctic ecosystems. *Current Biology*, 25, 2555-2561, doi: 10.1016/j.cub.2015.08.024.
- Leu E, Mundy CJ, Assmy P, Campbell K, Gabrielsen TM, Gosselin M, Juul-Pedersen T, Gradinger R (2015) Arctic spring awakening – steering principles behind the phenology of vernal ice algae blooms. *Progress in Oceanography*, 139, 151-170, doi: 10.1016/j.pocean.2015.07.012.
- Berge J, Cottier F, Darnis G, Falk-Petersen S, Gabrielsen TM, Johnsen G, Last K, Leu E, Lønne OJ, Moline M, Nahrgang J, Renaud PR, Seuthe L, Søreide JE, Varpe Ø, Weslawski JM (2015) In the dark: paradigms of Arctic ecosystems during polar night challenged by new understanding. *Progress in Oceanography*, 139, 258-271, doi: 10.1016/j.pocean.2015.08.005.
- Fredriksen S, Gabrielsen TM, Kile MR, Sivertsen K (2015) Benthic algal vegetation in Isfjorden, Svalbard. A survey of the main fjord area. *Polar Research*, 34, 25994, doi: 10.3402/polar.v34.25994.
- Alkire MB, Nilsen F, Falck E, Søreide JE, Gabrielsen TM (2015). Tracing sources of freshwater contributions to first-year sea ice in Svalbard fjords. *Continental Shelf Research*, DOI 10.1016/j.csr.2015.04.003.
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- Berge J, Gabrielsen TM, Moline M, Renaud PE (2012) Evolution of the arctic *Calanus* complex – an Arctic marine avocado? *Journal of Plankton Research*, 34, 191-195, doi: 10.1093/plankt/fbr103.

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Popular scientific publication

- Eidesen PB, Gabrielsen TM, Vader M (2016) *Unveiling the hidden communities of arctic eukaryotic microorganisms*. Book Chapter, Report from the ConocoPhillips and Lundin northern area program.

Theses

- Gabrielsen TM (2002) *Phylogeny and phylogeography of North Atlantic Ceramium (Ceramilales, Rhodophyta)*. Dr. scient. thesis, University of Oslo, Norway.
- Gabrielsen TM (1996) *RAPD variation and phylogeography of Nordic populations of Saxifraga oppositifolia*. Cand. scient. thesis, University of Oslo, Norway.