

□ **Comparing PCR-generated artifacts of different polymerases for improved accuracy of DNA metabarcoding**

Nagai, Satoshi; **Sildever, Sirje**; Nishi, Noriko Metabarcoding and metagenomics 2022 / art. e77704

<https://doi.org/10.3897/mbmg.6.77704> [Journal metrics at Scopus](#) [Article at Scopus](#)

Competitive advantage and higher fitness in native populations of genetically structured planktonic diatoms

Sildever, Sirje; Sefbom, Josefin; **Lips, Inga**; Godhe, Anna Environmental microbiology 2016 / p. 4403-4411 : ill

<https://doi.org/10.1111/1462-2920.13372>

Development of an absolute quantification method for ribosomal RNA gene copy numbers per eukaryotic single cell by digital PCR

Yarimizu, Kyoko; **Sildever, Sirje**; Hamamoto, Yoko; Tazawa, Satoshi; Oikawa, Hiroshi; Yamaguchi, Haruo; Basti, Leila; Mardones, Jorge I.; Paredes-Mella, Javier; Nagai, Satoshi Harmful Algae 2021 / art. 102008, 13 p. : ill <https://doi.org/10.1016/j.hal.2021.102008>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

DNA metabarcoding: Guidelines to monitor phytoplankton diversity and distribution in marine and brackish waters

Jerney, Jacqueline; Hällfors, Heidi; Jakobsen, Hans; Jurgensone, Iveta; Karlson, Bengt; Kremp, Anke; Lehtinen, Sirpa; Majaneva, Markus; Meissner, Kristian; Norros, Veera; **Sildever, Sirje**; Suikkanen, Sanna; Teeveer, Karolin 2023

<http://https://www.norden.org/en/publication/dna-metabarcoding>

DNA tõi Soome lahest päevavalgele ligi 20 uut planktoniliiki [Võrguväljaanne]

Sildever, Sirje novaator.err.ee 2021 ["DNA tõi Soome lahest päevavalgele ligi 20 uut planktoniliiki"](#)

Eesti teadlane aitas tuvastada merest enneolematu hulga mikroorganisme

Sildever, Sirje novaator.err.ee 2023 [Eesti teadlane aitas tuvastada merest enneolematu hulga mikroorganisme](#)

Eight years of weekly eDNA monitoring in the North-Western Pacific

Sildever, Sirje; Nishi, Noriko; Tazawa, Satoshi; Kasai, Hiromi; Hirai, Junya; Shiimoto, Akihiro; Kikuchi, Tasei; Katakura, Seiji; Nagai, Satoshi Environmental DNA 2023 <https://doi.org/10.1002/edn3.452>

Factors contributing to the potential expansion of *Limnomonas gairiensis* (Chlamydomonadales, Chlorophyta) in freshwater lakes in Northern Europe

Sildever, Sirje; Stewart, Rebecca I. A.; Tesson, Sylvie V. M. European journal of phycology 2023

<https://doi.org/10.1080/09670262.2023.2274080>

Genetic relatedness of a new Japanese isolates of *Alexandrium ostenfeldii* bloom population with global isolates

Sildever, Sirje; Jerney, Jacqueline; Kremp, Anke; Oikawa, Hiroshi; Sakamoto, Setsuko Harmful Algae 2019 / p. 64-74 : ill

<https://doi.org/10.1016/j.hal.2019.02.005>

Growth and feeding behaviour of Mixotrophic Dinophysis species in laboratory cultures

Nagai, Satoshi; **Sildever, Sirje**; Suzuki, Toshiyuki; Nishitani, Goh; Basti, Leila; Kamiyama, Takashi Dinoflagellates: classification, evolution, physiology and ecological significance 2020 / p. 129-168 ["Dinoflagellates: classification, evolution, physiology and ecological significance"](#)

Growth, toxin content and production of *Dinophysis norvegica* in cultured strains isolated from Funka Bay (Japan)

Nagai, Satoshi; Basti, Leila; Uchida, Hajime; Kuribayashi, Takanori; Natsuike, Masafumi; **Sildever, Sirje**; Nakayama, Natsuko; Lum, Wai Mun; Matsushima, Ryui Toxins 2023 / art. 318 <https://doi.org/10.3390/toxins15050318>

Improving taxonomic classification of marine zooplankton by molecular approach : registration of taxonomically verified 18S and 28S rRNA gene sequences

Watanabe, Tsuyoshi; Hirai, Junya; **Sildever, Sirje**; Tadokoro, Kazuaki; Hidaka, Kiyotaka; Tanita, Iwao; Nishiuchi, Koh; Iguchi, Naoki; Kasai, Hiromi; Nishi, Noriko; Katakura, Seiji; Taniuchi, Yukiko; Kodama, Taketoshi; Tashiro, Satokuni; Nakae, Misato; Okazaki, Yuji; Kitajima, Satoshi; Sogawa, Sayak; Hasegawa, Toru; Azumaya, Tomonori; Hiroe, Yutaka; Ambe, Daisuke; Setou, Takashi; Ito, Daiki; Kusaka, Akira; Okunishi, Takeshi; Tanaka, Takahiro; Kuwata, Akira; Hasegawa, Daisuke; Takehi, Shigehito; Shimizu, Yugo; Nagai, Satoshi PeerJ 2023 / art. e15427 <https://doi.org/10.7717/peerj.15427>

Influence of physical-chemical factors on community and populations of the Baltic Sea spring bloom microalgae = Füüsikalis-keemiliste tegurite mõju kevadõitsengu mikrovetikate kooslustele ja populatsioonidele Läänemeres

Sildever, Sirje 2017 <https://digi.lib.ttu.ee/i/77192>

Monitoring harmful microalgal species and their appearance in Tokyo Bay, Japan, using metabarcoding

Sildever, Sirje; Nishi, Noriko; Inaba, Nobuharu; Asakura, Taiga; Kikuchi, Jun; Asano, Yasuhito; Kobayashi, Takanori; Gojobori, Takashi; Nagai, Satoshi Metabarcoding and metagenomics 2022 / art. e79471 <https://doi.org/10.3897/mbmg.6.79471> [Journal metrics at Scopus](#) [Article at Scopus](#)

Monitoring of the toxic dinoflagellate *Alexandrium catenella* in Osaka Bay, Japan using a massively parallel sequencing (MPS)-based technique

Nagai, Satoshi; Chen, Hungyen; Kawakami, Yoko; Yamamoto, Keigo; **Sildever, Sirje** Harmful Algae 2019 / art. 101660, 13 p. : ill <https://doi.org/10.1016/j.hal.2019.101660>

The pH tolerance range of the airborne species *Tetracystis vinatzeri* (Chlorophyceae, Chlamydomonadales)

Tesson, Sylvie V. M.; **Sildever, Sirje** European journal of phycology 2023 <https://doi.org/10.1080/09670262.2023.2260444>

Physical barriers and environmental gradients cause spatial and temporal genetic differentiation of an extensive algal bloom

Godhe, Anna; Sjöqvist, Conny; **Sildever, Sirje; Lips, Inga** Journal of biogeography 2016 / p. 1130-1142 : ill <https://doi.org/10.1111/jbi.12722>

Pinnakihi soolsuse gradiendi mõju bioloogiliste koosluste struktuurile Läänemeres

Sildever, Sirje TalveAkadeemia 2013 : [teaduslikud lühiaartiklid]. Kogumik 11/2013 2013 / lk. 101-110 : ill

Plankton biodiversity and species co-occurrence based on environmental DNA - a multiple marker study

Sildever, Sirje; Laas, Peeter; Kolesova, Natalja; Lips, Inga; Lips, Urmas; Nagai, Satoshi Metabarcoding and metagenomics 2021 / p. 175-197 : ill <https://doi.org/10.3897/mbmg.5.72371> [Journal metrics at Scopus](#) [Article at Scopus](#)

Reconstructing salinity changes and environmental influence on dinoflagellate cysts in the central Baltic Sea since the late 19th century

Sildever, Sirje Estuarine, coastal and shelf science 2019 / p. 384-394 <https://doi.org/10.1016/j.ecss.2019.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spatio-temporal interdependence of bacteria and phytoplankton during a Baltic Sea spring bloom

Bunse, Carina; Bertos-Fortis, Mireia; Sassenhagen, Ingrid; **Sildever, Sirje; Lips, Inga** Frontiers in microbiology 2016 / p. 1-10 : ill <https://doi.org/10.3389/fmicb.2016.00517>

Spring bloom dinoflagellate cyst dynamics in three eastern sub-basins of the Baltic Sea

Sildever, Sirje; Kremp, Anke; Enke, Annely; **Buschmann, Fred; Maljutenko, Ilja; Lips, Inga** Continental shelf research 2017 / p. 46-55 : ill <https://doi.org/10.1016/j.csr.2016.11.012>

Spring bloom in the Gulf of Finland - interannual variability caused by meteorological and hydrological conditions

Lips, Inga; Sildever, Sirje; Lips, Urmas; Rünk, Nelli; Kikas, Villu 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 106 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Teaduspurjekas tuleb Suvel Eestisse

Sildever, Sirje Horisont 2023 / lk. 4 : fot https://www.ester.ee/record=b1072243*est

Temperature optima of a natural diatom population increases as global warming proceeds

Hattich, G. S. I.; Jokinen, S.; **Sildever, Sirje;** Gareis, M.; Heikkinen, J.; Junghardt, N.; Segovia, M.; Machado, M.; Sjöqvist, C. Nature climate change 2024 <https://doi.org/10.1038/s41558-024-01981-9>

Toxic HAB species from the Sea of Okhotsk detected by a metagenetic approach, seasonality and environmental drivers

Sildever, Sirje; Kawakami, Yoko; Kanno, Nanako Harmful Algae 2019 / art. 101631, 12 p. : ill <https://doi.org/10.1016/j.hal.2019.101631>

Transpordi ja keskkonnatingimuste mõju Läänemere mikrovetikatele

Sildever, Sirje Paat & Meremees 2016 / lk. 94-96 : ill http://www.ester.ee/record=b4471304*est

Uued inimesed ja positsioonid

Kõrbe Kaare, Kati; Veltri, Niccolo; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit; Konist, Alar; Sildever, Sirje; Avarmaa, Mari Mente et Manu 2023 / lk. 49-53 : fot https://www.ester.ee/record=b1242496*est