

Application of a hydrodynamic model to long-term monitoring data : exploring transport pathways to identify the source of high toxicity populations of *Dinophysis fortii* in aquaculture sites in northern Japan

Miyazono, Akira; Kuribayashi, Takanori; Hada, Yasufumi; Asakura, Ken; Kobayashi, Kazuma; Mizuno, Katsuhiko; Lum, Wai Mun; **Sildever, Sirje**; Kuroda, Hiroshi; Nagai, Satoshi Harmful Algae 2025 / art. 102976 <https://doi.org/10.1016/j.hal.2025.102976>

Asukoht mõjutab mikrovetikate mürgisust isegi sama liigi piires

Sildever, Sirje novaator.err.ee 2025 <https://novaator.err.ee/1609609904/asukoht-mojutab-mikrovetikate-murgisust-isegi-sama-liigi-piires>

Biological effect indicators : influence of environmental parameters and contaminants on Amphipods = Bioloogilise mõju indikaatorid : keskkonnaparametrite ja ohtlike ainete mõju kirpvähilistele

Kolesova, Natalja 2024 <https://doi.org/10.23658/taltech.40/2024> https://www.ester.ee/record=b5694394*est
<https://digikogu.taltech.ee/et/Item/961ea92d-ef14-429c-8e99-e56d652b4a44>

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; Seftom, Josefin; **Lips, Inga**; Godhe, Anna Environmental microbiology 2016 / p. 4403-4411 : ill
<https://doi.org/10.1111/1462-2920.13372> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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; Hållfors, 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> <https://doi.org/10.6027/temanord2023-505>

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"](https://novaator.err.ee/1609609904/dna-toi-soome-lahest-paevavalgele-ligi-20-uut-planktoniliiki)

The draft genome sequences of the cosmopolitan centric diatom, the genus *Skeletonema*

Nagai, Satoshi; Minei, Ryuhei; Takemura, Ikuyo; Tabata, Hiromasa; Töpel, Mats; Pinder, Matthew; Kourtchenko, Olga; Lee-Kuo, Kang; Van Nguyen, Nguyen; **Sildever, Sirje** Scientific data 2025 / art. 1358 <https://doi.org/10.1038/s41597-025-05432-8>

Eesti teadlane aitas tuvastada merest enneolematu hulga mikroorganisme

Sildever, Sirje novaator.err.ee 2023 [Eesti teadlane aitas tuvastada merest enneolematu hulga mikroorganisme](https://novaator.err.ee/1609609904/est-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 / p. 1202 - 1215 <https://doi.org/10.1002/edn3.452> [Journal metrics at Scopus](#) [Article at Scopus](#)

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 2024 / p. 169-183
<https://doi.org/10.1080/09670262.2023.2274080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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"](https://doi.org/10.1016/j.hal.2020.02.005)

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

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, Shigeho; Shimizu, Yugo; Nagai, Satosh PeerJ 2023 / art. e15427 <https://doi.org/10.7717/peerj.15427> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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/?7192> https://www.ester.ee/record=b4649787*est

Influence of surface salinity gradient on dinoflagellate cyst community structure, abundance and morphology in the Baltic Sea, Kattegat and Skagerrak
Sildever, Sirje; Andersen, Thorbjørn Joest; Ribeiro, Sofia; Ellegaard, Marianne Estuarine, Coastal and Shelf Science 2015 / p. 1-7 <https://doi.org/10.1016/j.ecss.2015.01.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Labor, kust algab puhtam meri

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/labor-kust-algab-puhtam-meri/>

Linking contaminant exposure to embryo aberrations in sediment-dwelling amphipods : a multi-basin field study in the Baltic Sea
Kolesova, Natalja; Sildever, Sirje; Strobe, Evita; Berezina, Nadezhda; Sundelin, B.; **Lips, Inga; Kuprijanov, Ivan; Buschmann, Fred**; Gorokhova, Elena Ecological indicators 2024 / art. 111837, 11 p. ill <https://doi.org/10.1016/j.ecolind.2024.111837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mere hoidjad: Kui igaüks võtaks rannast lahkudes lisaks enda prahile kaasa osa võõrast, saaks meri puhtamaks
Lepassalu, Virko Pealinn 2023 / Lk. 6-7

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 / 11 p <https://doi.org/10.1080/09670262.2023.2260444> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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](#)

Reliable environmental DNA detection of planktonic biodiversity : minimum sample volume for DNA metabarcoding

Sildever, Sirje; Edvardsen, Bente; Egge, Elianne; Engesmo, Anette; Harðardóttir, Sara; Jacobsen, Asa; Jacobsen, Hans; Jurgensone, Iveta; **Pärt, Kristian; Rünk, Nelli** 2025 <https://doi.org/10.6027/temanord2025-509> <https://pub.norden.org/temanord2025-509/temanord2025-509.pdf>

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

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

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

Strain variability in toxin profiles and toxic potential of *Dinophysis fortii* populations from Southwestern and Northern Japanese coastal waters

Sildever, Sirje; Uchida, Hajime; Kuribayashi, Takanori; Natsuike, Masafumi; Hada, Yasufumi; Miyazono, Akira; Kosaka, Yuki; Nakayama, Natsuko; Lum, Wai Mun; Miyahara, Kazutaka; Yamamoto, Kana; Matsushima, Ryoji; Suzuki, Toshiyuki; Nagai, Satoshi *Harmful Algae* 2025 / art. 102803 <https://doi.org/10.1016/j.hal.2025.102803>

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 / p. 518-525 <https://doi.org/10.1038/s41558-024-01981-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 https://artiklid.elnet.ee/record=b2809625*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

Микромусор в море: убрать невозможно, пресечь приток — реально

Lepassalu, Virko *Stolitsa.ee* 2023 [Микромусор в море: убрать невозможно. пресечь приток — реально](#)