

Applicability of a bioelectronic cardiac monitoring system for the detection of biological effects of pollution in bioindicator species in the Gulf of Finland

Kholodkevich, Sergei; Kuznetsova, Tatiana; Sharov, Andrey; Kurakin, Anton; **Lips, Urmas; Kolesova, Natalja**; Lehtonen, Kari K. Journal of marine systems 2017 / p. 151-158 : ill <https://doi.org/10.1016/j.jmarsys.2016.12.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessing biological effects of contaminants in the Gulf of Finland, Northeastern Baltic Sea, using sediment biotests with Amphipods (*Monoporeia affinis*) and biomarker responses in Clams (*Macoma balthica*)

Kuprijanov, Ivan; Kolesova, Natalja; Lipp, Maarja; Lehtonen, Kari K. Proceedings 2023 / art. 54 <https://doi.org/10.3390/proceedings2023092054>

Assessing sediment transport and dissolved oxygen conditions in the western part of the Gulf of Finland

Buschmann, Fred; Laanemets, Jaan; Suursaar, Ülo 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. 240 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea)

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Frontiers in marine science 2019 / art. 54, 16 p. : ill <https://doi.org/10.3389/fmars.2019.00054> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) : [conference paper]

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 44 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Bimodal distribution patterns of motile phytoplankton in relation to physical processes and stratification (Gulf of Finland, Baltic Sea)

Lips, Urmas; Lips, Inga Deep-sea research part II: Topical studies in oceanography 2014 / p. 107-119 : ill <https://doi.org/10.1016/j.dsr2.2013.05.029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cadmium in the Eastern Gulf of Finland : concentrations and effects on the mollusk *Limecola balthica*

Sharov, Andrey; Berezina, Nadezhda; **Kuprijanov, Ivan**; Sladkova, Svetlana; Kamardin, Nikolay; Shigaeva, Tatyana; Kudryavtseva, Valentina; Kholodkevich, Sergei Geochemistry International 2022 / p. 702-710 <https://doi.org/10.1134/S0016702922060076> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparison of Baltic Sea wave properties simulated using two modelled wind data sets

Giudici, Andrea; Jankowski, Mikolaj Zbigniew; Männikus, Rain; Najafzadeh, Fatemeh; Suursaar, Ülo; **Soomere, Tarmo** Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill <https://doi.org/10.1016/j.ecss.2023.108401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparison of the motions of surface drifters with offshore wind properties in the Gulf of Finland, the Baltic Sea

Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo Estuarine, coastal and shelf science 2016 / p. 154-164 : ill <https://doi.org/10.1016/j.ecss.2016.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum: Assessment of eutrophication status based on sub-surface oxygen conditions in the Gulf of Finland (Baltic Sea) [Front. Mar. Sci., 6, (2019), (54)] doi: 10.3389/fmars.2019.00054

Stoicescu, Stella-Theresa; Lips, Urmas; Liblik, Taavi Frontiers in Marine Science 2019 / Art. 233 <https://doi.org/10.3389/fmars.2019.00233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dioxins and furans in surface sediment of NW Estonian coastal sea [Online resource]

Erm, Ants; Buschmann, Fred; Voll, Martin Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 31-32 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Examination of the effects of wind induced forcings on surface drifters circulation patterns in the Gulf of Finland

Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas 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. 48 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Examining Lagrangian surface transport during a coastal upwelling in the Gulf of Finland, Baltic Sea

Delpeche-Ellmann, Nicole Camille; Mingelaite, Toma; Soomere, Tarmo Journal of marine systems 2017 / p. 21-30 : ill <https://doi.org/10.1016/j.jmarsys.2016.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Examining the performance of along track multi-mission satellite altimetry – a case study for Sentinel-6

Heinoja, Lenne-Liisa; **Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** Journal of geodetic science 2023 / art. 20220159

<https://doi.org/10.1515/jogs-2022-0159> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Hot-spots of large wave energy resources in relatively sheltered sections of the Baltic Sea coast

Kovaleva, Olga; Eelsalu, Maris; Soomere, Tarmo Renewable and sustainable energy reviews 2017 / p. 424-437 : ill
<https://doi.org/10.1016/j.rser.2017.02.033> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ice deformation in the Gulf of Finland in the severe winter of 2002/2003

Pärn, Ove; Haapala, Jari Estonian journal of earth sciences 2013 / p. 15-25 : ill https://artiklid.elnet.ee/record=b2607202*est
<https://doi.org/10.3176/earth.2013.02> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of ship-borne nitrogen deposition on the Gulf of Finland ecosystem : an evaluation

Raudsepp, Urmas; Laanemets, Jaan; Maljutenko, Ilja; Hongisto, Marke; Jalkanen, Jukka-Pekka Oceanologia 2013 / p. 837 - 857
<https://doi.org/10.5697/oc.55-4.837> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of thermohaline conditions on vertical variability of optical properties in the Gulf of Finland (Baltic Sea) : implications for water quality remote sensing

Aavaste, Age; Sipelgas, Liis; Uiboupin, Rivo; Uudeberg, Kristi Frontiers in marine science 2021 / art. 674065
<https://doi.org/10.3389/fmars.2021.674065> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Increased frequency of wintertime stratification collapse events in the Gulf of Finland since the 1990s

Elken, Jüri; Raudsepp, Urmas; Laanemets, Jaan; Passenko, Jelena; Maljutenko, Ilja; Pärn, Ove; Keevallik, Sirje Journal of marine systems 2014 / p. 47-55 : ill <https://doi.org/10.1016/j.jmarsys.2013.04.015> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Investigating the marine protected areas most at risk of current-driven pollution in the Gulf of Finland, the Baltic Sea, using a Lagrangian transport model

Delpeche, Nicole; Soomere, Tarmo Marine pollution bulletin 2013 / p. 121-129 : ill <https://doi.org/10.1016/j.marpolbul.2012.11.025>
Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Long-term mean, interannual and seasonal circulation in the Gulf of Finland - The wide salt wedge estuary or gulf type ROFI

Maljutenko, Ilja; Raudsepp, Urmas Journal of marine systems 2019 / p. 1-19 : ill <https://doi.org/10.1016/j.jmarsys.2019.03.004> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mapping microplastic pathways and accumulation zones in the Gulf of Finland, Baltic Sea – insights from modeling

Mishra, Arun; Siht, Enriko; Väli, Germa; Liblik, Taavi; Buhhalko, Natalja; Lips, Urmas Frontiers in marine science 2025 / art. 1524585, 17 p. : ill., map <https://doi.org/10.3389/fmars.2024.1524585> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mapping wave set-up near a complex geometric urban coastline

Soomere, Tarmo; Pindsoo, Katri; Bishop, Steven Richard; Kärd, Arvo; Valdmann, Ain Natural Hazards and Earth System Sciences 2013 / p. 3049 - 3061 <https://doi.org/10.5194/nhess-13-3049-2013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Model study on present and future eutrophication and nitrogen fixation in the Gulf of Finland, Baltic Sea

Lessin, Gennadi; Raudsepp, Urmas; Maljutenko, Ilja; Laanemets, Jaan; Passenko, Jelena; Jaanus, Andres Journal of marine systems 2014 / p. 76-85 : ill <https://doi.org/10.1016/j.jmarsys.2013.08.006> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Modeling submesoscale processes in the gulf of finland - case scenario upwelling events in the summer 2006

Väli, Germa; Zhurbas, Victor; Laanemets, Jaan; Lips, Urmas; Elken, Jüri 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. 82
http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Observations of surface drift and effects induced by wind and surface waves in the Baltic Sea for the period 2011–2018

Delpeche-Ellmann, Nicole Camille; Giudici, Andrea; Rätsep, Margus; Soomere, Tarmo Estuarine, coastal and shelf science 2021 / art. 107071, 13 p. : ill., map <https://doi.org/10.1016/j.ecss.2020.107071> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Observed flow variability along the thalweg, and on the coastal slopes of the Gulf of Finland, Baltic Sea

Lilover, Madis-Jaak; Elken, Jüri; Suhhova, Irina; Liblik, Taavi Estuarine, coastal and shelf science 2017 / p. 23-33 : ill
<https://doi.org/10.1016/j.ecss.2016.11.002> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the finite-time compressibility of the surface currents in the Gulf of Finland, the Baltic Sea

Kalda, Jaan; Soomere, Tarmo; Giudici, Andrea Journal of marine systems 2014 / p. 56-65 : ill
<https://doi.org/10.1016/j.jmarsys.2012.08.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the nature of low-frequency currents over a shallow area of the southern coast of the Gulf of Finland

Lilover, Madis-Jaak; Pavelson, Juss; Kõuts, Tarmo Journal of marine systems 2014 / p. 66-75 : ill

<https://doi.org/10.1016/j.jmarsys.2013.06.008> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Performance of sentinel-3A SAR altimetry retrackers: The SAMOSA coastal sea surface heights for the Baltic Sea

Birgiel, Elzbieta; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Fiducial Reference Measurements for Altimetry :

Proceedings of the International Review Workshop on Satellite Altimetry Cal/Val Activities and Applications 2020 / p. 23-32

https://doi.org/10.1007/1345_2019_59

Phytoplankton dynamics affected by the coastal upwelling events in the Gulf of Finland in July-August 2006

Lips, Inga; Lips, Urmas Journal of plankton research 2010 / p. 1269-1282 : ill

The potential of current- and wind-driven transport for environmental management of the Baltic Sea

Soomere, Tarmo; Döös, Kristofer; Lehmann, Andreas Ambio 2014 / p. 94-104 : ill <https://doi.org/10.1007/s13280-013-0486-3> Journal

metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Processes responsible for the formation and maintenance of sub-surface chlorophyll maxima in the Gulf of Finland

Lips, Urmas; Lips, Inga; Liblik, Taavi; Kuvaldina, Natalja Estuarine, coastal and shelf science 2010 / p. 339-349 : ill

Quantification of the impact of vessel wakes on a shinglegravel beach

Pindsoo, Katri; Soomere, Tarmo; Eelsalu, Maris; Tõnisson, Hannes 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. 201

http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Realistic dynamic topography through coupling geoid and hydrodynamic models of the Baltic Sea

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Continental shelf research 2021 / art. 104421

<https://doi.org/10.1016/j.csr.2021.104421> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Regime shifts in the surface-level average air flow over the Gulf of Finland during 1981-2010

Keevallik, Sirje; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2014 / p. 428-437 : ill

https://artiklid.elnet.ee/record=b2707382*est <https://doi.org/10.3176/proc.2014.4.08> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sea level forecasting using deep recurrent neural networks with high-resolution hydrodynamic model

Rajabi-Kiasari, Saeed; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Applied ocean research 2025 / art. 104496

<https://doi.org/10.1016/j.apor.2025.104496>

Spatial pattern of current-driven hits to the nearshore from a major marine fairway in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo Journal of marine systems 2014 / p. 106-117 : ill <https://doi.org/10.1016/j.jmarsys.2013.06.014> Journal

metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spatial variability of winter bacterioplankton community composition in the Gulf of Finland (the Baltic Sea)

Laas, Peeter; Simm, Jaak; Lips, Inga; Metsis, Madis Journal of marine systems 2014 / p. 127-134 : ill

<https://doi.org/10.1016/j.jmarsys.2013.07.016> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Spatial variations of wave loads and closure depths along the coast of the eastern Baltic Sea

Soomere, Tarmo; Viška, Maija; Eelsalu, Maris Estonian journal of engineering 2013 / p. 93-109 : ill

https://artiklid.elnet.ee/record=b2621589*est <https://doi.org/10.3176/eng.2013.2.01> Article at Scopus

Stone Age settlement and Holocene shore displacement in the Narva-Luga Klint Bay area, eastern Gulf of Finland

Rosentau, Alar; Muru, Merle; Kriiska, Aivar; Subetto, Dmitry A.; Vassiljev, Jüri; Hang, Tiit; Gerasimov, Dmitry; Nordqvist, Kerkko; Ludikova, Anna; Lõugas, Lembi; Raig, Hanna; Kihno, Kersti; Aunap, Raivo; Letyka, Nikolay Boreas 2013 / p. 912 - 931

<https://doi.org/10.1111/bor.12004> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Submesoscale structures related to upwelling events in the Gulf of Finland, Baltic Sea (numerical experiments)

Väli, Germa; Zhurbas, Victor; Lips, Urmas; Laanemets, Jaan Journal of marine systems 2017 / p. 31-42 : ill

<https://doi.org/10.1016/j.jmarsys.2016.06.010> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Systems-theoretic process analysis of maritime traffic safety management in the Gulf of Finland (Baltic Sea)

Aps, Robert; Fetissov, Mihail; Goerlandt, Floris; Kujala, Pentti; Piel, Are Procedia engineering 2017 / p. 2-12 : ill

<https://doi.org/10.1016/j.proeng.2017.03.090> Conference proceedings at Scopus Article at Scopus Article at WOS

Temporal scales for nearshore hits of current-driven pollution in the Gulf of Finland

Viikmäe, Bert 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 187-190

Temporal scales for nearshore hits of current-driven pollution in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo Marine pollution bulletin 2016 / p. 77-86 : ill <https://doi.org/10.1016/j.marpolbul.2016.03.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The influence of a coastal upwelling event on chlorophyll a and nutrient dynamics in the surface layer of the Gulf of Finland, Baltic Sea

Kuvaldina, Natalja; Lips, Inga; Lips, Urmas; Liblik, Taavi Hydrobiologia 2010 / p. 221-230 : ill

The role of nearshore slope on cross-shore surface transport during a coastal upwelling event in Gulf of Finland, Baltic Sea

Delpeche-Ellmann, Nicole Camille; Soomere, Tarmo; Kudryavtseva, Nadezhda Estuarine, coastal and shelf science 2018 / p. 123-135 : ill <https://doi.org/10.1016/j.ecss.2018.03.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The role of the spatial resolution of a three-dimensional hydrodynamic model for marine transport risk assessment

Andrejev, Oleg; Soomere, Tarmo; Sokolov, Alexander; Myrberg, Kai Oceanologia 2011 / p. 309-334 : ill

Tracks of surface drifters from a major fairway to marine protected areas in the Gulf of Finland

Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 226-233 : ill https://artiklid.elnet.ee/record=b2740528*est <https://doi.org/10.3176/proc.2015.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Upwelling related dynamics from bias-corrected satellite SST maps in the Gulf of Finland

Uiboupin, Rivo; Laanemets, Jaan 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. 164 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Validation of marine geoid models by utilizing hydrodynamic model and shipborne GNSS profiles

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Marine geodesy 2020 / p. 134-162 <https://doi.org/10.1080/01490419.2019.1701153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability of low-frequency currents in the Gulf of Finland

Lilover, Madis-Jaak; Elken, Jüri 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. 54 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Variations in parameters of extreme value distributions of water level along the eastern Baltic Sea coast

Soomere, Tarmo; Eelsalu, Maris; Pindsoo, Katri Estuarine, coastal and shelf science 2018 / p. 59-68 : ill <https://doi.org/10.1016/j.ecss.2018.10.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Verification of modelled locations of coastal areas exposed to current-driven pollution in the Gulf of Finland by using surface drifters

Viikmäe, Bert; Torsvik, Tomas; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 405-416 : ill https://artiklid.elnet.ee/record=b2740578*est <https://doi.org/10.3176/proc.2015.3S.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vertical dynamics of summer phytoplankton in a stratified estuary (Gulf of Finland, Baltic Sea)

Lips, Urmas; Lips, Inga; Liblik, Taavi; Kikas, Villu; Altoja, Kristi; Buhhalko, Natalja; Rünk, Nelli Ocean dynamics 2011 / p. 903-915 : ill

Wind-driven residual circulation and related oxygen and nutrient dynamics in the Gulf of Finland (Baltic Sea) in winter

Lips, Urmas; Laanemets, Jaan; Lips, Inga; Liblik, Taavi; Suhhova, Irina; Suursaar, Ülo Estuarine, coastal and shelf science 2017 / p. 4-15 : ill <https://doi.org/10.1016/j.ecss.2016.10.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wind-driven variability of pycnoclines in the Gulf of Finland

Liblik, Taavi; Lips, Urmas 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. 93 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Wintertime reversals of estuarine circulation and related changes in oxygen and nutrient conditions in the Gulf of Finland

Lips, Urmas; Laanemets, Jaan; Elken, Jüri; Lips, Inga; Liblik, Taavi; Raudsepp, Urmas; Suhhova, Irina; Buschmann, Fred; Suursaar, Ülo 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. 94 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf