

## **ANDROMEDA Portfolio of Microplastics Analyses Protocols**

Booth, Andy M.; Bouwens, Jan; Brandt, Josef; **Buhhalko, Natalja**; Catarino, Ana Isabel; De Witte, Bavo; Everaert, Gert; Foscari, Aurelio; **Lips, Urmas**; **Kikas, Villu**; **Lind, Kati** 2024

[https://www.researchgate.net/publication/378775799\\_ANDROMEDA\\_Portfolio\\_of\\_Microplastics\\_Analyses\\_Protocols](https://www.researchgate.net/publication/378775799_ANDROMEDA_Portfolio_of_Microplastics_Analyses_Protocols)

## **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](#)

## **Applicability of Copernicus marine service products for the eutrophication status assessment of the Baltic Sea**

**Samlas, Oliver**; **Luik, Stella-Theresa**; Korabel, Vasily; She, Jun; **Lips, Urmas** Marine Pollution Bulletin 2025 / art. 117975

<https://doi.org/10.1016/j.marpolbul.2025.117975>

## **Assessing the eutrophication status of Estonian marine waters**

**Stoicescu, Stella-Theresa**; **Lips, Urmas**; **Lips, Inga** Фундаментальная и прикладная гидрофизика 2018 / с. 62-74

<https://doi.org/10.7868/S2073667318020053> [http://hydrophysics.info/wp-content/uploads/2018/06/Stoicescu\\_%D0%B0.pdf](http://hydrophysics.info/wp-content/uploads/2018/06/Stoicescu_%D0%B0.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#)

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

**Stoicescu, Stella-Theresa**; **Lips, Urmas**; **Liblik, Taavi** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 94

[https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.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](https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf)

## **Autonoomsed allveeliugurid mereteadlaste kasutuses**

**Lips, Urmas** Merevaated 2017 / lk. 94-100 : ill [http://www.ester.ee/record=b4679147\\*est](http://www.ester.ee/record=b4679147*est)

## **BalticSeaNow.info : marine research = Mereteadus**

**Lips, Inga**; **Lips, Urmas**; **Ojamäe, Karin**; **Laas, Peeter** 2013 [https://www.ester.ee/record=b2927803\\*est](https://www.ester.ee/record=b2927803*est)

## **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](#)

## **BONUS INTEGRAL : improved biogeochemical monitoring and greenhouse gas flux assessment for the Baltic Sea through high resolution trace gas data acquisition [Online resource]**

Rehder, Gregor; Rutgersson, Anna; Laakso, Lauri; Kulinski, Karol; **Lips, Urmas** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 59-60 : ill [https://www.baltic-earth.eu/publications/IBESPublications/No\\_13\\_Helsingor\\_Proceedings/2ndBalticEarthConferenceProceedings\\_IBESP\\_No13\\_web.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf)

## **A cascade of multi-scale processes shaping the signal dynamics and maintaining the energy transfer in stratified Baltic Sea basins**

**Lips, Urmas**; **Liblik, Taavi**; **Lips, Inga**; **Rünk, Nelli**; **Kikas, Villu**; **Laanemets, Jaan**; **Väli, Germa** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 15

[https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

## **Causes of the extensive hypoxia in the Gulf of Riga in 2018**

**Stoicescu, Stella-Theresa**; **Laanemets, Jaan**; **Liblik, Taavi**; Skudra, Maris; **Samlas, Oliver**; **Lips, Inga**; **Lips, Urmas**

Biogeosciences 2022 / p. 2903-2920 <https://doi.org/10.5194/bg-19-2903-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Central Baltic Sea Circulation Experiment – first results**

**Liblik, Taavi**; Rak, Daniel; **Siht, Enriko**; **Väli, Germa**; Karstensen, Johannes; Tuomi, Laura; Biddle, Louise; **Lilover, Madis-Jaak**;

Skudra, Maris; **Lips, Urmas** New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 145-146

**Changing subsurface oxygen conditions in the Baltic Sea basins – analyzing the drivers at different temporal scales = Pinnaaluste hapnikutingimuste muutused Läänemere alambasseinides - erinevatel ajaskaaladel mõju avaldavate tegurite analüüs**

**Stoicescu, Stella-Theresa** 2023 <https://doi.org/10.23658/taltech.48/2023> <https://digikogu.taltech.ee/et/Item/f329b858-a574-485f-a399-3a962def6952> [https://www.ester.ee/record=b5638609\\*est](https://www.ester.ee/record=b5638609*est)

**Characteristics and inter-annual changes in temperature, salinity and density distribution in the Gulf of Riga**

**Skudra, Maris; Lips, Urmas** Oceanologia 2017 / p. 37-48 : ill <https://doi.org/10.1016/j.oceano.2016.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characteristics and variability of the vertical thermohaline structure in the Gulf of Finland in summer**

**Liblik, Taavi; Lips, Urmas** Boreal environment research 2011 / p. 73-83 : ill

**Characteristics of sub-surface chlorophyll maxima observed in the Gulf of Finland in July 2006**

**Kuvaldina, Natalja; Lips, Urmas; Lips, Inga; Liblik, Taavi** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 29

**Chlorophyll a and phytoplankton blooms**

**Kauppila, Pirkko; Eremina, Tatjana; Ershova, Alexandra; Maximov, Alexey; Lips, Inga; Lips, Urmas** The Gulf of Finland assessment 2016 / p. 114-123 : ill <http://hdl.handle.net/10138/166296>

**Climate in the Gulf of Finland area**

**Alenius, Pekka; Myrberg, Kai; Roiha, Petra; Tuomi, Laura; Pettersson, Heidi; Lips, Urmas** The Gulf of Finland assessment 2016 / p. 28-40 : ill <http://hdl.handle.net/10138/166296>

**Clustering of floating particles due to submesoscale dynamics : a simulation study for the Gulf of Finland, Baltic Sea**

**Väli, Germo; Zhurbas, Victor; Laanemets, Jaan; Lips, Urmas** Фундаментальная и прикладная гидрофизика 2018 / с. 21-35 <https://doi.org/10.7868/s2073667318020028> <http://hydrophysics.info/?p=3685> [en](#) [Journal metrics at Scopus](#) [Article at Scopus](#)

**Comparative analysis of microplastics detection methods applied to marine sediments: A case study in the Bay of Marseille**

**Gerigny, Olivia; Blanco, Gustavo; Lips, Urmas; Buhhalko, Natalja; Chouteau, Leelou; Georges, Elise; Meyers, Nelle; Vanavermaete, David; Galgani, François; Ourgaud, Melanie; Papillon, Laure; Sempéré, Richard; De Witte, Bavo** Marine pollution bulletin 2024 / art. 116787 <https://doi.org/10.1016/j.marpolbul.2024.116787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Comparative studies of biological effects of surface water pollution on physiological state of molluscs : experience of caging studies in the Tallinn Bay**

**Kholodkevich, Sergei; Kuznetsova, Tatiana; Lips, Urmas; Kolesova, Natalja; Sharov, Andrey; Kurakin, Anton** 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. 255 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Compatibility of targets under different marine policies - Sufficiency of the EU WFD targets for individual rivers basins to achieve the BSAP goals**

**Stoicescu, Stella-Theresa; Lips, Urmas** 2021 [Compatibility of targets under different marine policies - Sufficiency of the EU WFD targets for individual rivers basins to achieve the BSAP goals](#)

**Conditions that influence Good Environmental Status (GES) in the Baltic Sea**

**Kolesova, Natalja; Väli, Germo; Lips, Urmas** 2021 <https://helcom.fi/wp-content/uploads/2021/11/Conditions-that-influence-Good-Environmental-Status-GES-in-the-Baltic-Sea.pdf>

**Continuing long-term expansion of low-oxygen conditions in the Eastern Gulf of Finland**

**Stoicescu, Stella-Theresa; Hoikkala, Laura; Fleming, Vivi; Lips, Urmas** Oceanologia 2024 / p. 139-152 : ill., map <https://doi.org/10.1016/j.oceano.2024.02.002> [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](#)

**A cross disciplinary framework for cost-benefit optimization of marine litter cleanup at regional scale**

**Christensen, Asbjørn; Tsiaras, Kostas; Murawski, Jens; Hatzonikolakis, Yannis; She, Jun; John, Michael St; Lips, Urmas; Brouwer, Roy** Frontiers in marine science 2021 / art. 744208, 18 p. : ill <https://doi.org/10.3389/fmars.2021.744208> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Currents of the Gulf of Finland: instrumental measurements and numerical hydrodynamic modeling**

Sukhachev, V.; Zakharchuk, E.; **Lips, Urmas**; Tikhonova, N.; **Suhhova, Irina** From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 62  
[https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays\\_2017.pdf&type=application%2Fpdf](https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf)

### **Dangerous sea level rises in the Gulf of Finland : instrumental measurements and numerical modeling**

Sukhachev, V.; Zakharchuk, E.; **Lips, Urmas**; Tikhonova, N. The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 250 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

### **Demonstration of annual/quarterly assessments and description of the production system**

**Lips, Urmas**; Samlas, Oliver; Korabel, Vasily; She, Jun; **Stoicescu, Stella-Theresa**; Cusack, Caroline 2022  
[https://doi.org/10.3289/eurosea\\_d6.2](https://doi.org/10.3289/eurosea_d6.2)

### **A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland**

**Suhhova, Irina**; Liblik, Taavi; Lilover, Madis-Jaak; **Lips, Urmas** Boreal environment research 2018 / p. 83-103 : ill  
[https://www.ester.ee/record=b1199571\\*est](https://www.ester.ee/record=b1199571*est) <https://www.borenv.net/BER/archive/ber231-6.htm> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland [Online resource]**

**Suhhova, Irina**; Liblik, Taavi; Lilover, Madis-Jaak; **Lips, Urmas** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 168-169 : ill [https://www.baltic-earth.eu/publications/IBESPublications/No\\_13\\_Helsingor\\_Proceedings/2ndBalticEarthConferenceProceedings\\_IBESP\\_No13\\_web.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf)

### **Developing European operational oceanography for Blue Growth, climate change adaptation and mitigation, and ecosystem-based management**

She, Jun; Allen, Icarus; Buch, Erik; **Lips, Urmas** Ocean science 2016 / p. 953-976 : ill <https://doi.org/10.5194/os-12-953-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Developing realistic models for assessing marine plastic pollution in semi-enclosed seas**

She, Jun; Christensen, Asbjørn; Garaventa, Francesca; **Lips, Urmas**; Murawski, Jens; Ntoumas, Manolis; Tsiaras, Kostas Oceanography 2023 / p. 54 - 57 <https://doi.org/10.5670/oceanog.2023.s1.17> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Eessõna**

**Elken, Jüri**; **Lips, Urmas**; Keevalik, Sirje; **Lips, Inga**; Raudsepp, Urmas Füüsikaline okeanograafia. Läänemeri [Võrguteavik] 2024 / lk. 7-8 [https://www.ester.ee/record=b5685380\\*est](https://www.ester.ee/record=b5685380*est) <https://digikogu.taltech.ee/et/Item/795174de-f66a-4cfd-9147-9fcae292bfb0>

### **Elustav hapnikurikas süvavesi näitab Läänemeres mõju esmaseid märke**

**Lips, Urmas** Horisont 2015 / lk. 14-15 : ill [https://artiklid.elnet.ee/record=b2740967\\*est](https://artiklid.elnet.ee/record=b2740967*est)

### **Estuarine transport versus vertical movement and mixing of water masses in the Gulf of Finland (Baltic Sea)**

**Lips, Urmas**; **Lips, Inga**; Liblik, Taavi US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 87

### **Eulerian and Lagrangian submesoscale coherent structures on the sea surface driven by coastal upwelling: a case study for the Gulf of Finland**

**Väli, Germa**; Zhurbas, Victor; **Laanemets, Jaan**; **Lips, Urmas** From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 43

### **Euro-Argo in work and new potential of gliders in the Baltic Sea BOOS [Online resource]**

Alenius, Pekka; Tikka, K.; **Lips, Urmas**; Tuomi, Laura; Purokoski, Tero; Roiha, Petra; Siirä, S. Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 143-148 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

### **Euro-Argo in work and new potential of gliders in the Baltic Sea BOOS [Online resource]**

Alenius, Pekka; Tikka, Kimmo; **Lips, Urmas** International Conference Operational Oceanography Serving Sustainable Marine Development : 3-5 October 2017, Bergen, Norway : book of abstracts 2017 / p. 19-20  
[http://eurogoos.imr.no/resources/EuroGOOS\\_Conference\\_2017\\_BoA.pdf](http://eurogoos.imr.no/resources/EuroGOOS_Conference_2017_BoA.pdf)

### **Euroopat kütvate hoovuste tulevikku varjutab katastroofilumm**

Reimann, Andres novaator.err.ee 2024 [Euroopat kütvate hoovuste tulevikku varjutab katastroofilumm](#)

### **Features of thermohaline structure and circulation in the Gulf of Riga = Termohaliinse struktuuri ja tsirkulatsiooni mustrid Liivi lahes**

**Skudra, Maris** 2017 <https://digi.lib.ttu.ee/i/?7182> [https://www.ester.ee/record=b4649794\\*est](https://www.ester.ee/record=b4649794*est)

**Ferrybox measurements : a tool to study meso-scale processes in the Gulf of Finland (Baltic Sea)**

**Lips, Urmas; Lips, Inga; Kikas, Villu; Kuvaldina, Natalja** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 88

**FerryBoxes within Europe : state-of-the-art and integration in the European Ocean Observation System (EOOS) [Online resource]**

Petersen, W.; Colijn, F.; Gorringer, P.; Kaitala, S.; Karlson, B.; King, A.; **Lips, Urmas** Operational oceanography serving sustainable marine development : proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 63-70 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

**Füüsikaline okeanograafia. Läänemeri [Võrguteavik]**

**Elken, Jüri; Lips, Urmas; Keevallik, Sirje; Lips, Inga; Raudsepp, Urmas** 2024 [https://www.ester.ee/record=b5685380\\*est](https://www.ester.ee/record=b5685380*est)  
<https://digikogu.taltech.ee/et/Item/795174de-f66a-4cfd-9147-9fcae292bfb0>

**Füüsikaline okeanograafia. Läänemeri**

**Elken, Jüri; Lips, Urmas; Keevallik, Sirje; Lips, Inga; Raudsepp, Urmas** 2018 [https://www.ester.ee/record=b5158569\\*est](https://www.ester.ee/record=b5158569*est)

**Geological maps of the Gulf of Finland sea bottom as a basis for assessing the state of marine environment**

Suuroja, Sten; Kask, Andres; **Petersell, Valter; Alliksaar, Tiiu; Lips, Urmas; Lepland, Aivo** The 13th Colloquium on Baltic Sea Marine Geology : September 12-16, 2016, Gdansk, Poland : abstract volume & field trip guidebook 2016 / p. 75  
<https://www.pgi.gov.pl/dokumenty-pig-pib-all/publikacje-2/materialy-konferencyjne/4007-baltic-2016/file.html>

**Gulf of Finland physics**

Alenius, Pekka; Myrberg, Kai; Roiha, Petra; **Lips, Urmas**; Tuomi, Laura; Pettersson, Heidi; Raateoja, Mika The Gulf of Finland assessment 2016 / p. 42-57 : ill <http://hdl.handle.net/10138/166296>

**Hazardous substances in the sediments and their pathways from potential sources in the eastern Gulf of Finland**

**Kuprijanov, Ivan; Väli, Germo**; Sharov, Andrey; Berezina, Nadezhda; **Liblik, Taavi; Lips, Urmas**; Kolesova, Natalja; Maanio, Jaakko; Junttila, Ville; **Lips, Inga** Marine pollution bulletin 2021 / art. 112642, 19 p. : ill <https://doi.org/10.1016/j.marpolbul.2021.112642>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-frequency automated observing systems to meet the monitoring and assessment needs in the Baltic Baltic Sea**

**Lips, Urmas; Lips, Inga** Abstracts : [BSSC 2019] 2019 / p. 20  
[https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**High-resolution characterization of the development and decay of seasonal hypoxia in the Gulf of Riga, Baltic Sea**

**Liblik, Taavi; Stoicescu, Stella-Theresa; Buschmann, Fred; Lilover, Madis-Jaak; Lips, Urmas** Frontiers in marine science 2023 / art. 1119515 <https://doi.org/10.3389/fmars.2023.1119515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)  
[Article at WOS](#)

**High-resolution dynamics of the spring bloom in the Gulf of Finland of the Baltic Sea**

**Lips, Inga; Rünk, Nelli; Kikas, Villu; Meerits, Aet; Lips, Urmas** Journal of marine systems 2014 / p. 135-149 : ill  
<https://doi.org/10.1016/j.jmarsys.2013.06.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**High-resolution view on downwelling by underwater glider in the Eastern Baltic Proper**

**Liblik, Taavi; Salm, Kai; Lips, Urmas** 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 21 : ill  
["proceedings"](#)

**High-resolution view on the subsurface salinity maxima in the Gulf of Riga**

**Liblik, Taavi; Skudra, Maris; Lips, Urmas** 1st Baltic Earth Conference Multiple Drivers for Earth System Changes in the Baltic Sea Region : Nida, Curonian Spit, Lithuania, 13-17 June 2016 : conference proceedings 2016 / p. 20 : ill [http://www.baltic-earth.eu/events/nida2016/material/BalticEarth\\_Nida2016\\_Proceedings.pdf](http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf)

**Hinnangu andmine merekeskkonna ökosüsteemipõhiseks korraldamiseks Soome lahe merepõhja ja setete näitel : (SedGoF) : projekti aruanne**

Suuroja, Sten; **Heinsalu, Atko; Alliksaar, Tiiu; Lips, Urmas; Pajusaar, Siim; Liiv, Merlin; Buschmann, Fred; Erm, Ants; Kiipli, Tarmo; Kallaste, Toivo** 2016 [https://www.kik.ee/sites/default/files/uuringud/aruanne\\_sedgof\\_30.06.2016\\_0.pdf](https://www.kik.ee/sites/default/files/uuringud/aruanne_sedgof_30.06.2016_0.pdf)

**Impact of the recent major inflow on the water column structure in the NE Baltic**

**Liblik, Taavi; Naumann, M.; Hansson, M.; Lips, Urmas; Lips, Inga** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 79 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

**Influence of meso-scale dynamics on the phytoplankton distribution and species composition in the Gulf of Finland in**



**July 2007**

**Altoja, Kristi; Kikas, Villu; Kuvaldina, Natalja; Lips, Urmas; Lips, Inga** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 212

**In-situ observation strategies in order to monitor and understand the functioning of pelagic ecosystem in the Gulf of Finland**

**Lips, Urmas; Lips, Inga; Kikas, Villu; Liblik, Taavi; Kuvaldina, Natalja; Altoja, Kristi; Norit, Nelli** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 89

**Inter-annual changes in temperature, salinity and density distribution in the Gulf of Riga**

**Skudra, Maris; 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. 99 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Kõrge ajalise ja ruumilise lahutusega kontaktnõotmised Läänemere uuringutes**

**Lips, Urmas** Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 232-242 : ill

**Linkage between the vertical stratification and current oscillations in the Gulf of Finland**

**Suhhova, Irina; Liblik, Taavi; Lilover, Madis-Jaak; Lips, Urmas** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 244 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

**Linking the development of stratification with the variability of velocity profiles in the Gulf of Finland**

**Lips, Urmas; Liblik, Taavi; Suhhova, Irina; Lilover, Madis-Jaak; Laanemets, Jaan** Abstracts : [BSSC 2019] 2019 / p. 154 [https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**Long-term changes in stratification in the Baltic Sea**

**Liblik, Taavi; Lips, Urmas** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 27 : ill [https://www.baltic-earth.eu/publications/IBESPublications/No\\_13\\_Helsingor\\_Proceedings/2ndBalticEarthConferenceProceedings\\_IBESP\\_No13\\_web.pdf](https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf)

**Läänemereel algas haruldane soolvee sissevool**

Piir, Rait novaator.err.ee 2023 [Läänemereel algas haruldane soolvee sissevool](#)

**Läänemerest avastati üks Euroopa suurimaid naftamaardlaid**

Erilaid, Erkki postimees.ee 2025 / lk. 9 <https://majandus.postimees.ee/8291527/millist-ohutu-kujutab-laanemeres-avastatud-uks-euroopa-suurimaid-naftamaardlaid-keskkonnale> <https://dea.digar.ee/article/postimees/2025/07/23/6.10>

**Läänemeri lämbub ja see on sinu süü**

Parksepp, Anette LP+Eesti Päevaleht 2019 / lk. 16-17 <https://epl.delfi.ee/uudised/laanemeri-lambub-ja-see-on-sinu-suu?id=86585721>

**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](#)

**Merealasest haridusest ja Läänemere kaitsest**

**Lips, Urmas** TalveAkadeemia 2010 : Läänemeri - vaga vesi, sügav põhi : 26.-28. veebruar Laulasmaal 2010 / lk. 9 : ill

**Mereteadlase tööst paremat eriala on raske ette kujutada! : vastab teenetemärgi saanud merefüüsik Urmas Lips**

**Lips, Urmas** Postimees 2020 / lk. 24 : portr [https://www.ester.ee/record=b1072778\\*est](https://www.ester.ee/record=b1072778*est) [Mereteadlase tööst paremat eriala on raske ette kujutada! : vastab teenetemärgi saanud merefüüsik Urmas Lips](#)

**Mesoscale variability and river plume dynamics in the Gulf of Riga (a model study)**

**Lips, Urmas; Zhurbas, Victor; Skudra, Maris; Väli, Germa** 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. 72 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Microplastics (10 µm-5 mm) in European Atlantic coastal waters**

**Buhhalko, Natalja; Kuddithamby, Gunaalan; Vianello, Alvise; Rotander, Anna; Vidal-Linan, Leticia; Beiras, Ricardo; Falcou-Prefol, Mathilde; Town, Raewyn M.; Hylland, Ketil; Morin, B.; Lips, Urmas** Environmental advances 2025 / art. 100644 <https://doi.org/10.1016/j.envadv.2025.100644> <https://www.sciencedirect.com/science/article/pii/S2666765725000365?via%3Dihub>

**Mida parem mereanalüüs, seda parem mereringe**

Rammus, Kristin Trialoog 2025 [Mida parem mereanalüüs, seda parem mereringe](#)

## **Missing monitoring : review of relevance, methods, gaps and monitoring recommendations for additional ecosystem components in the Baltic Sea**

Lindegarth, Mats; **Künnis-Beres, Kai**; Wikner, Johan; Lehtiniemi, Maiju; Kuss, Joachim; Hentzsch, Barbara; Schulz-Bull, Detlef; **Lips, Inga**; **Lips, Urmas**; Nygård, Henrik 2020 [https://havsmiljoinstitutet.se/digitalAssets/1775/1775485\\_d2.5-missing-monitoring.pdf](https://havsmiljoinstitutet.se/digitalAssets/1775/1775485_d2.5-missing-monitoring.pdf)

## **Mitmekihiline mereuurimine**

**Lips, Urmas** Horisont 2021 / lk. 36-40 : fot [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

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

**Väli, Germo**; **Zhubas, 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](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **Modeling the pathways of microplastics in the Gulf of Finland, Baltic Sea – sensitivity of parametrizations**

**Siht, Enriko**; **Väli, Germo**; **Liblik, Taavi**; **Mishra, Arun**; **Buhhalko, Natalja**; **Lips, Urmas** Ocean dynamics 2024 / art. 9, 24 p. : ill., map <https://doi.org/10.1007/s10236-024-01649-0>

## **A multiplexed FBG based sensor platform for flow and temperature measurements in the Baltic Sea**

Dzipsalski, A.; Morton, J. A. S.; Papachristou, N.; Maier, R. R. J.; MacPherson, W. N.; **Ristolainen, Asko**; **Kruusmaa, Maarja**; Reilent, E.; **Suhhova, Irina**; **Lips, Urmas** Proceedings of SPIE 2023 / art. 1264307-1 : ill <https://doi.org/10.1117/12.2679756> [Conference proceedings at Scopus](#) [Article at Scopus](#)

## **A multiplexed reconfigurable modular FBG-based sensor platform for flow and temperature measurements in the North Sea**

Dzipsalski, Adrian; Morton, Jonathan A. S.; Papchristou, Nikolitsa; Maier, Robert R. J.; MacPherson, William N.; **Ristolainen, Asko**; **Reilent, Enar**; **Kruusmaa, Maarja**; Wolf, Ben J.; Piri, Primoz; Van Netten, Sietse M.; **Suhhova, Irina**; **Lips, Urmas**; McFarlane, Nathan; MacLeod, Robert; Hendry, Mark; Sheehy, Jack; Almoghayer, Mohammed; Rojas, Natalia; Davies, Gareth Proceedings of SPIE 2024 / 6 p <https://doi.org/10.1117/12.3031643> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

## **Multi-sensor in situ observations to resolve the sub-mesoscale features in the stratified Gulf of Finland, Baltic Sea**

**Lips, Urmas**; **Kikas, Villu**; **Liblik, Taavi**; **Lips, Inga** Ocean science 2016 / p. 715-732 : ill <https://doi.org/10.5194/os-12-715-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Near-bottom hypoxia impacts dynamics of bacterioplankton assemblage throughout water column of the Gulf of Finland (Baltic Sea)**

**Laas, Peeter**; **Šatova, Elina**; **Lips, Inga**; **Lips, Urmas**; Simm, Jaak; Kisand, Veljo; Metsis, Madis PLoS ONE 2016 / art. e0156147, p. 1-19 : ill <https://doi.org/10.1371/journal.pone.0156147> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Nord Streami mõjude uurimine annab väärt teavet ka tulevikuks**

**Lips, Urmas** Postimees 2010 / Looduse Hääl, lk. 8

## **A numerical study of circulation in the Gulf of Riga, Baltic Sea. Part I : Whole-basin gyres and mean currents**

**Lips, Urmas**; **Zhubas, Victor**; **Skudra, Maris**; **Väli, Germo** Continental shelf research 2016 / p. 1-13 : ill <https://doi.org/10.1016/j.csr.2015.11.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **A numerical study of circulation in the Gulf of Riga, Baltic Sea. Part II : Mesoscale features and freshwater transport pathways**

**Lips, Urmas**; **Zhubas, Victor**; **Skudra, Maris**; **Väli, Germo** Continental shelf research 2016 / p. 44-52 : ill <https://doi.org/10.1016/j.csr.2015.12.018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Nutrient load : targets and required reductions**

Knuuttila, Seppo; Kondratyev, Sergey; **Lips, Urmas**; Ekholm, Petri The Gulf of Finland assessment 2016 / p. 134-141 : ill <http://hdl.handle.net/10138/166296>

## **Nutrients in the water**

Raateoja, Mika; Pitkänen, Heikki; Eremina, Tatjana; **Lips, Urmas** The Gulf of Finland assessment 2016 / p. 94-113 : ill <http://hdl.handle.net/10138/166296>

## **Observed thermohaline fields and low-frequency currents in the Narva Bay**

**Laanearu, Janek**; **Lips, Urmas** Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 2, p. 91-106 : ill [https://artiklid.elnet.ee/record=b1012786\\*est](https://artiklid.elnet.ee/record=b1012786*est)

## **On the buoyant sub-surface salinity maxima in the Gulf of Riga**

**Liblik, Taavi**; **Skudra, Maris**; **Lips, Urmas** Oceanologia 2017 / p. 113-128 : ill <https://doi.org/10.1016/j.oceano.2016.10.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the turbidity dynamics in the near-bottom layer of the Gulf of Finland**

**Buschmann, Fred; Suhhova, Irina; Liblik, Taavi; Lips, Urmas** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 16 [https://www.io-warnemuende.de/tl\\_files/conference/bssc2017/bssc2017-abstract-book.pdf](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

### **Physical processes controlling the surface layer dynamics in the stratified Gulf of Finland : an application of Ferrybox technology = Pinnakihi muutlikkust kontrollivad füüsikalised protsessid kihistunud Soome lahes : Ferrybox tehnoloogia rakendus**

**Kikas, Villu** 2016 [http://www.ester.ee/record=b4640509\\*est](http://www.ester.ee/record=b4640509*est)

### **Phytoplankton distribution affected by the coastal upwelling event in the Gulf of Finland in August 2006 : observational results**

**Lips, Inga; Lips, Urmas** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 44

### **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

### **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](#)

### **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

### **Propagation of impact of the recent major Baltic inflows from the Eastern Gotland Basin to the Gulf of Finland [Online resource]**

**Liblik, Taavi; Naumann, Michael; Lips, Urmas; Laanemets, Jaan** Frontiers in marine science 2018 / art. 222, 23 p. : ill <https://doi.org/10.3389/fmars.2018.00222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Quality of Estonian coastal waters by underwater optical measurements**

**Alari, Victor; Erm, Ants; Väli, Germa; Lips, Inga; Lips, Urmas** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 14-15 : ill

### **Quantification of dissolved oxygen dynamics in a semi-enclosed sea – a comparison of observational platforms**

**Meyer, David; Lips, Urmas; Prien, Ralf D.; Naumann, Michael; Liblik, Taavi** Continental shelf research 2018 / p. 34–45 : ill <https://doi.org/10.1016/j.csr.2018.09.011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Quasi-steady circulation regimes in the Baltic Sea**

**Liblik, Taavi; Väli, Germa; Salm, Kai; Laanemets, Jaan; Lilover, Madis-Jaak; Lips, Urmas** Ocean science 2022 / p. 857-879 <https://doi.org/10.5194/os-18-857-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Rare saltwater inflow in Baltic Sea could have 'widespread' environmental impact**

**Piir, Rait; Lips, Urmas; Liblik, Taavi** news.err.ee 2023

### **Redox-specialized bacterioplankton metacommunity in a temperate estuary**

**Laas, Peeter; Simm, Jaak; Lips, Inga; Lips, Urmas; Kisand, Veljo; Metsis, Madis** PLoS ONE 2015 / art. e0122304 <https://doi.org/10.1371/journal.pone.0122304> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Salinity dynamics of the Baltic Sea**

**Lehmann, Andreas; Myrberg, Kai; Post, Piia; Chubarenko, Irina; Dailidiene, Inga; Hinrichsen, Hans-Harald; Hüsey, Karin; Liblik, Taavi; Lips, Urmas; Meier, H. E. Markus; Bukanova, Tatiana** Earth System Dynamics 2022 / p. 373–392 : ill <https://doi.org/10.5194/esd-13-373-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simulation of mesoscale structure of a coastal upwelling event and related nutrient transport in the southern Gulf of Finland**

**Väli, Germa; Zhurbas, Victor; Elken, Jüri; Lips, Inga; Lips, Urmas; Laanemets, Jaan** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 42

### **Simulation of mesoscale structures and nutrient transport during summer upwelling events in the Gulf of Finland in 2006**

**Laanemets, Jaan; Väli, Germa; Zhurbas, Victor; Elken, Jüri; Lips, Inga; Lips, Urmas** Boreal environment research 2011 / p. 15-26 : ill [https://www.researchgate.net/publication/244486520\\_Simulation\\_of\\_mesoscale\\_structures\\_and\\_nutrient\\_transport\\_during\\_summer\\_upwelling\\_events\\_in\\_the\\_Gulf\\_of\\_Finland\\_in\\_2006](https://www.researchgate.net/publication/244486520_Simulation_of_mesoscale_structures_and_nutrient_transport_during_summer_upwelling_events_in_the_Gulf_of_Finland_in_2006)

**Soe ilm pole vett veel õitsema ajanud : [TTÜ professori Urmas Lipsi lühikommentaar artikli juures]**

Kelder, Kärt; **Lips, Urmas** Eesti Päevaleht 2010 / 7. juuli, lk. 5

**Soome lahe keskkonnaseisundi hinnang lähtuvalt merepõhja setetest**

Suuroja, Sten; Kask, Andres; Petersell, Valter; Karimov, Mark; **Alliksaar, Tiiu**; Tõnisson, Hannes; **Lips, Urmas**; Lepland, Aivo XXIII aprillikonverents "Eesti maapõue strateegia" : teesid 2015 / lk. 30-32 : ill

**Soome lahe merepõhja geoloogilised kaardid merekeskkonna seisundi hindamiseks**

Suuroja, Sten; Kask, Andres; Petersell, Valter; Karimov, Mark; **Alliksaar, Tiiu**; Tõnisson, Hannes; **Lips, Urmas**; Lepland, Aivo XXIV aprillikonverents "Maapõuekasutus ja keskkonnahoid" : teesid 2016 / lk. 46-47 : ill

**Soome lahe pelagiaali ökosüsteemi struktuur ja selle muutlikkus**

**Lips, Urmas** Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 74-78

**Soome lahe seisund ja tulevik**

**Lips, Urmas**; **Loigu, Enn**; **Lääne, Ain**; Martin, Georg; Pachel, Karin; Raia, Tiiu 1998 [https://www.ester.ee/record=b1057306\\*est](https://www.ester.ee/record=b1057306*est)

**Spatio-temporal variability of environmental parameters in the surface layer of the Gulf of Finland in spring (on the basis of Tallinn-Helsinki FerryBox data 2007-2009)**

**Norit, Nelli**; **Kikas, Villu**; **Lips, Inga**; **Kuvaldina, Natalja**; **Lips, Urmas** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 211

**Spatiotemporal variability of microplastics in the Eastern Baltic Sea**

**Mishra, Arun**; **Buhhalko, Natalja**; **Lind, Kati**; **Lips, Inga**; **Liblik, Taavi**; **Väli, Germa**; **Lips, Urmas** Frontiers in marine science 2022 / art. 875984 <https://doi.org/10.3389/fmars.2022.875984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Spreading of suspended matter in a shallow sea area influenced by dredging activities and variable atmospheric forcing : results of in-situ measurements**

**Liblik, Taavi**; **Lips, Urmas** Journal of coastal research 2011 / p. 561-566 : ill <https://www.jstor.org/stable/26482234>

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

**Stratification has strengthened in the Baltic Sea - an analysis of 35 years of observational data**

**Liblik, Taavi**; **Lips, Urmas** Frontiers in earth science 2019 / art. 174, 15 p. : ill <https://doi.org/10.3389/feart.2019.00174> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Submesoscale processes in the surface layer of the central Baltic Sea: A high-resolution modelling study**

**Väli, Germa**; Meier, H.E. Markus; **Liblik, Taavi**; Radtke, Hagen; Klingbeil, Knut; Gräwe, Ulf; **Lips, Urmas** Oceanologia 2024 / p. 78-90 <https://doi.org/10.1016/j.oceano.2023.11.002> [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**; **Zhubas, 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](#)

**Submesoscale variability in a mesoscale front captured by a glider mission in the Gulf of Finland, Baltic Sea**

**Salm, Kai**; **Liblik, Taavi**; **Lips, Urmas** Frontiers in marine science 2023 / art. 984246, 18 p. : ill <https://doi.org/10.3389/fmars.2023.984246> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Submesoscale Variability in a Mesoscale Front Captured by a Glider Mission in the Gulf of Finland, Baltic Sea**

**Salm, Kai**; **Liblik, Taavi**; **Lips, Urmas** ESS Open Archive 2022 / 27 p. : ill <https://doi.org/10.1002/essoar.10510112.1>

**Sub-regional observing and forecast system for the NE Baltic: needs and first results**

**Elken, Jüri**; **Kõuts, Tarmo**; **Lips, Urmas**; **Raudsepp, Urmas**; **Lagemaa, Priidik** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 38

**Synoptic scale assessment of oxygen depletion in the Gulf of Finland**

**Liblik, Taavi**; **Stoicescu, Stella-Theresa**; **Laanemets, Jaan**; **Samlas, Oliver**; **Kuprijanov, Ivan**; **Buschmann, Fred**; **Lips, Urmas** Abstracts : [BSSC 2019] 2019 / p. 207 [https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**A synthesis of marine monitoring methods with the potential to enhance the status assessment of the Baltic Sea**

Mack, Leoni; Attila, Jenni; Aylagas, Eva; Beermann, Arne; Borja, Angel; Hering, Daniel; Kahlert, Maria; Leese, Florian; **Lips, Urmas**



**The hydrographic conditions in the Gulf of Finland in 2014 base on extensive joint monitoring**

Myrberg, Kai; **Lips, Urmas**; Korneev, Oleg; Raateoja, Mika; Alenius, Pekka; Bruun, Jan-Erik 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. 234 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**The importance of Mesodinium rubrum at post-spring bloom nutrient and phytoplankton dynamics in the vertically stratified Baltic Sea**

**Lips, Inga; Lips, Urmas** Frontiers in marine science 2017 / art. 407, p. 1-16 : ill <https://doi.org/10.3389/fmars.2017.00407> [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

**Towards a healthier Gulf of Finland – results of the International Gulf of Finland Year 2014**

Myrberg, Kai; **Lips, Urmas**; Orlova, Marina Journal of marine systems 2017 / p. 1-3 <https://doi.org/10.1016/j.jmarsys.2017.03.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Transnational FerryBox monitoring in the Baltic Sea : common measures for quality assurance**

Seppälä, Jukka; Maunula, Petri; Haavisto, Noora; Rehder, Gregor; Karlson, Bengt; Willstrand Wranne, Anna; **Lips, Urmas; Kikas, Villu**; Jaanus, Andres; London. Lauri; Laakso, Lauri IEEE International Workshop on Metrology for the Sea ; Learning to Measure Sea Health Parameters (MetroSea) 2021 / p. 121-125 <https://doi.org/10.1109/MetroSea52177.2021.9611608>

**Understanding harmful algae in stratified systems: Review of progress and future directions**

Berdalet, E.; McManus, M.A.; Ross, O.N.; Burchard, H.; Chavez, F.P.; Jaffe, J.S.; Jenkinson, I.R.; Kudela, R.; **Lips, Inga; Lips, Urmas** Deep-sea research part II: Topical studies in oceanography 2014 / p. 4-20 : ill <https://doi.org/10.1016/j.dsr2.2013.09.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Unraveling ocean dynamics with glider profiling and shipbased microstructure observations in the Slupsk Furrow**

Bulczak, Anna Izabela; Rak, Daniel; **Salm, Kai; Liblik, Taavi; Lips, Urmas** New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 138 [https://baltic.earth/imperia/md/assets/baltic\\_earth/baltic\\_earth/baltic\\_earth/5bec\\_proceedings.pdf](https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf)

**Upwelling characteristics in the Gulf of Finland (Baltic Sea) as revealed by Ferrybox measurements in 2007-2013**

**Kikas, Villu; Lips, Urmas** Ocean science 2016 / p. 843-859 : ill <https://doi.org/10.5194/os-12-843-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Variability of pycnoclines in a three-layer, large estuary : the Gulf of Finland**

**Liblik, Taavi; Lips, Urmas** Boreal environment research 2017 / p. 27-47 : ill <https://www.borenv.net/BER/archive/pdfs/ber22/ber22-027-047-Liblik.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Variability of stratification and currents at the submesoscale detected from CTD and current profiles in the central Gulf of Finland**

**Lilover, Madis-Jaak; Lips, Urmas; Liblik, Taavi; Suhhova, Irina; Väli, Germa** Boreal Environment Research 2025

**Variability of thermohaline structure in the gulf of Finland in summer = Termohaliinse struktuuri muutlikkus Soome lahes suvekuudel**

**Liblik, Taavi** 2012

**Water exchange between the Baltic Sea Proper and the Åland Sea**

Alenius, Pekka; Tikka, Kimmo; Tuomi, Laura; **Lips, Urmas** Abstracts : [BSSC 2019] 2019 / p. 170 [https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**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

**Viewpoint**

Pitkänen, Heikki; Kuosa, Harri; Eremina, Tatjana; **Lips, Urmas**; Lehtoranta, Jouni; Maximov, Alexey The Gulf of Finland assessment 2016 / p. 86-88 : ill <http://hdl.handle.net/10138/166296>

**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](#)

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

**Wind-forced variability of vertical structure of temperature and salinity fields in the Gulf of Finland**

**Liblik, Taavi; Lips, Urmas** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 117

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

**Какую угрозу представляет нефтяное месторождение, обнаруженное в Балтийском море?**

Erilaid, Erkki [rus.postimees.ee](http://rus.postimees.ee) 2025 <https://rus.postimees.ee/8291736/kakuyu-ugrozu-predstavlyaet-neftyanoie-mestorozhdenie-obnaruzhennoe-v-baltiyskom-more>