

Application of remote sensing methods for the investigation of spatio-temporal variability of sea surface temperature and chlorophyll fields in the Gulf of Finland = Kaugseire rakendused merepinna temperatuuri ja klorofüllil väljade ajalis-ruumilise muutlikkuse uurimiseks Soome lahes

Uiboupin, Rivo 2013 https://www.ester.ee/record=b2909640*est

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

BOOS/HIROMB-based marine forecasts in Estonia : problems, experiences and challenges [Electronic resource]

Elken, Jüri; Kõuts, Tarmo; Raudsepp, Urmas; Laanemets, Jaan; Lagemaa, Priidik Proceedings of the US/EU Baltic International Symposium "Integrated Ocean Observation Systems for Managing Global & Regional Ecosystems Using Marine Research, Monitoring & Technologies" : Klaipeda, May 23-25, 2006 2006 / [22] p. [CD-ROM]

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, Germao 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

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](#)

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

Väli, Germao; 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](#)

Eesti kliima ja keskkonnaseisundi võimalike muutuste hindamine atmosfääri-, mere- ja jõgede äravoolu dünaamiliste mudelite tulemuste põhjal (EstKliima)

Raudsepp, Urmas; Jaagus, Jaak; Alari, Victor; Laanemets, Jaan; Maljutenko, Ilja; Reiha, Alvina; Sepp, Mait Keskkonnakaitse ja -tehnoloogia teadus- ja arendustegevuse programmi teaberaamat 2010-2015 2015 / lk. 88-94 : ill https://www.ester.ee/record=b4520841*est

Environmental impact of water exchange blocking in a strait – a multidisciplinary study in the Baltic Sea

Liblik, Taavi; Buschmann, Fred; Siht, Ergo; Kuprijanov, Ivan; Väli, Germao; Lipp, Maarja; Erm, Ants; Laanemets, Jaan; Eschbaum, Redik; Verliin, Aare; Saks, Lauri; Zekker, Ivar Oceanologia 2024 / p. 9-25 : ill <https://doi.org/10.1016/j.oceano.2023.06.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estuarine circulation reversals and related rapid changes in winter near-Bottom oxygen conditions in the Gulf of Finland, Baltic Sea

Liblik, Taavi; Laanemets, Jaan; Raudsepp, Urmas; Elken, Jüri; Suhhova, Irina Ocean Science 2013 / p. 917 - 930 <https://doi.org/10.5194/os-9-917-2013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Väli, Germao; 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

Flow regime before and during upwelling event in the western Gulf of Finland

Pavelson, Juss; Elken, Jüri; Laanemets, Jaan; Huttula, Timo; Purokoski, Tero BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 161

Flow, waves and water exchange in the Suur Strait, the Gulf of Riga in 2008

Raudsepp, Urmas; Laanemets, Jaan; Haran, Getli; Alari, Victor; Pavelson, Juss; Kõuts, Tarmo Oceanologia 2011 / p. 35-56 : ill

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](#)

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](#)

Linking atmospheric, terrestrial and aquatic environments : Regime shifts in the Estonian climate over the past 50 years
Kotta, Jonne; Herkül, Kristjan; Jaagus, Jaak; Kaasik, Ants; **Raudsepp, Urmas; Alari, Victor; Laanemets, Jaan; Maljutenko, Ilja; Männik, Aarne; Reiha, Alvin** PLoS ONE 2018 / e0209568, 20 p. : ill <https://doi.org/10.1371/journal.pone.0209568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Mesoscale physical processes and the related impact on the summer nutrient fields and phytoplankton blooms in the western Gulf of Finland
Pavelson, Juss 2005 https://www.ester.ee/record=b2073510*est

Midwinter stratification formation in the Gulf of Finland
Liblik, Taavi; Väli, Germa; Lilover, Madis-Jaak; Laanemets, Jaan; Kikas, Villu; Lips, Inga 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. 123 "[proceedings](#)"

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

Observation of mesoscale eddies by using SAR data complemented with optical remote sensing and in situ measurements
Uiboupin, Rivo; Laanemets, Jaan BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 28

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](#)

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](#)

Regime shifts in the natural environment in the northern Baltic Sea region in late 1980s
Jaagus, Jaak; **Alari, Victor**; Arula, Timo; Järvel, Arvo; Kont, Are; Kotta, Jonne; Kull, Ain; Laanemets, Jaan; Männik, Aarne; Ojaveer, Henn; **Raudsepp, Urmas; Reiha, Alvin**; Rõõm, Rein; Sepp, Mait; Suursaar, Ülo; Tamm, Ottar; Tamm, Toomas; 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. 64 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

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

Simulation of nutrient transport from different depths during an upwelling event in the Gulf of Finland
Väli, Germa; Zhurbas, Victor; Laanemets, Jaan; Elken, Jüri Oceanologia 2011 / p. 431-448 : ill
<https://www.sciencedirect.com/science/article/pii/S0078323411500491>

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

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

Upwelling parameters from bias-corrected composite satellite SST Maps in the Gulf of Finland (Baltic Sea)

Uiboupin, Rivo; Laanemets, Jaan IEEE Geoscience and Remote Sensing Letters 2015 / p. 592-596

<https://doi.org/10.1109/LGRS.2014.2352397> 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

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

The winter stratification phenomenon and its consequences in the Gulf of Finland, Baltic Sea

Liblik, Taavi; Väli, Germo; Lips, Inga; Lilover, Madis-Jaak; Kikas, Villu; Laanemets, Jaan Ocean Science 2020 / p. 1475 - 1490 <https://doi.org/10.5194/os-16-1475-2020> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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