

Abstract on the dynamics of the river bulge using satellite imagery and numerical model, case study of Daugava river bulge

Soosaar, Edith; Uiboupin, Rivo; Skudra, Maris; Maljutenko, Ilja; Raudsepp, 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. 61 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Analysis of historical MERIS and MODIS data to evaluate the impact of dredging to monthly mean surface TSM concentration

Raag, Laura; Uiboupin, Rivo; Sipelgas, Liis Remote sensing of the ocean, sea ice, coastal waters, and large water regions 2013 : 24 September 2013, Dresden, Germany 2013 / art. 88880B <https://doi.org/10.1117/12.2032327> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo International journal of remote sensing 2014 / p. 6764-6780 : ill <https://doi.org/10.1080/01431161.2014.963898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Siitam, Laura vt ka Raag, Laura; Raag, Laura vt ka Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis 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. 126 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea

Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo Sentinel-3 for Science Workshop: Abstract Book 2015 http://seom.esa.int/S3forScience2015/page_session28.php

Applicability of SAR-based wave retrieval for wind-wave interaction analysis in the fetch-limited Baltic

Rikka, Sander; Uiboupin, Rivo; Alari, Victor International journal of remote sensing 2017 / p. 906-922 : ill <https://doi.org/10.1080/01431161.2016.1271472> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 klorofüllü väljade ajalis-ruumilise muutlikkuse uurimiseks Soome lahes

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

Application of the HIDRA2 deep-learning model for sea level forecasting along the Estonian coast of the Baltic Sea

Barzandeh, Amirhossein; Licer, Matjaz; Rus, Marko; Kristan, Matej; Maljutenko, Ilja; Elken, Juri; Lagemaa, Priidik; Uiboupin, Rivo Ocean Science 2025 / p. 1315-1327 <https://doi.org/10.5194/os-21-1315-2025>

Assessing the Baltic Sea water quality with sentinel-3 OLCI imagery

Kutser, Tiit; Soomets, Tuuli; Toming, Kaire; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 43 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Assessing the Baltic Sea Water Quality with Sentinel-3 OLCI Imagery

Kutser, Tiit; Soomets, Tuuli; Toming, Risto; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipėda, Lithuania 12 - 15 June 2018 2018 / p. 52-57 : ill <https://doi.org/10.1109/BALTIC.2018.8634849>

Baltic Sea could be used to heat homes in future

news.err.ee 2024 [Baltic Sea could be used to heat homes in future](#)

Baltic Sea freshwater content

Raudsepp, Urmas; Maljutenko, Ilja; Barzandeh, Amirhossein; Uiboupin, Rivo; Lagemaa, Priidik State of the Planet 2023 / 14 p <https://doi.org/10.5194/sp-1-osr7-7-2023>

Characterization of ice cover extent from MODIS imagery during different winter scenarios in the Gulf of Riga, Baltic Sea

Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis 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. 127 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Combined analysis of Cryosat-2/SMOS sea icethickness data with model reanalysis fields over the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Maljutenko, Ilja; Hendricks, Stefan; Ricker, Robert; Liu, Ye; Iovino, Doroteaciro; Peterson, K. Andrew; Zuo, Hao; Lavergne, Thomas; Aaboe, Signe; Raj, Roshin P. Journal of operational oceanography 2019 / p. s73-s79 : ill., map

<https://doi.org/10.1080/1755876X.2019.1633075>

Comparison of satellite sea surface temperature with in situ surface layer temperature

Uiboupin, Rivo; Sipelgas, Liis Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2007 / 1, p. 47-56 : ill

Copernicus Marine Service Ocean State Report. Issue 3

Aaboe, Signe; Aguiar, Eva; **Kõuts, Mariliis; Lagemaa, Priidik; Maljutenko, Ilja; Raudsepp, Urmas; Uiboupin, Rivo** Journal of Operational Oceanography 2019 / S1-S123 : ill <https://doi.org/10.1080/1755876X.2019.1633075> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copernicus Marine Service Ocean State Report. Issue 4

von Schuckmann, Karina; Le Traon, Pierre-Yves; Aaboe, Signe; **Laanemäe, Kaari; Maljutenko, Ilja; Raudsepp, Urmas; Uiboupin, Rivo** Journal of Operational Oceanography 2020 / p. S1 - S172 <https://doi.org/10.1080/1755876X.2020.1785097> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Copernicus Marine Service Ocean State Report, Issue 5

Aaboe, Signe; **Alari, Victor**; Alexander, Brittany E.; **Kõuts, Mariliis; Lagemaa, Priidik; Maljutenko, Ilja; Männik, Andres; Raudsepp, Urmas; Rikka, Sander; Uiboupin, Rivo** Journal of operational oceanography 2021 / p. 1-185 <https://doi.org/10.1080/1755876X.2021.1946240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detecting peat extraction related activity with multi-temporal Sentinel-1 InSAR coherence time series

Tampuu, Tauri; Praks, Jaan; Kull, Ain; **Uiboupin, Rivo**; Tamm, Tanel; Voormansik, Tanel International journal of applied earth observation and geoinformation 2021 / art. 102309, 11 p. : ill <https://doi.org/10.1016/j.jag.2021.102309> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Detection of oil spills on SAR images and forecast of the slicks trajectory, case study

Uiboupin, Rivo; Raudsepp, Urmas; Sipelgas, Liis US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 161

Eesti rannikul on arenemas mereleitsak

novaator.err.ee 2024 [Eesti rannikul on arenemas mereleitsak](#) [Ekstreemne olukord: Eesti rannikul on arenemas mere kuumalaine](#)

Eesti teadlased ennustavad satelliitide abil üleujutusi

Vaaks, Eveliis postimees.ee Trialoog 2025 [Eesti teadlased ennustavad satelliitide abil üleujutusi](#) [Satelliidid ja nutipoid: TalTechi teadlased loovad tuleviku keskkonnaseiret](#)

Enhancing oil spill detection, response and modeling in the Baltic Sea = Õlireostuse tuvastamise, modelleerimise ja sellele reageerimise tõhustamine Läänemeres

Pärt, Siim 2024 <https://doi.org/10.23658/taltech.61/2024> https://www.ester.ee/record=b5704342*est <https://digikogu.taltech.ee/et/Item/0fc8b005-bd63-4a8d-a934-e89ec4d690be>

Estimation of wave and wind field parameters from TerraSAR-X imagery in the Baltic Sea

Rikka, Sander; Uiboupin, Rivo; Alari, Victor 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. 171 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Estonia's coastal sea temperatures remain highest in 30 years

news.err.ee 2024 [Estonia's coastal sea temperatures remain highest in 30 years](#)

Evaluating the application of deep-learning ensemble sea level and storm surge forecasting in the Baltic Sea

Barzandeh, Amirhossein; Rus, Marko; Ličer, Matjaž; **Maljutenko, Ilja; Elken, Jüri; Lagemaa, Priidik; Uiboupin, Rivo** Extremes in marine environment: analysis of multi-temporal and multi-scales dynamics using observations, models and machine learning techniques 2024 <https://doi.org/10.5194/egusphere-egu24-17233>

Extreme waves and low sea level during the storm in the Gulf of Bothnia, Baltic Sea

Raudsepp, Urmas; Männik, Aarne; Maljutenko, Ilja; Lagemaa, Priidik; Rikka, Sander; Alari, Victor; Uiboupin, Rivo Journal of operational oceanography 2021 / p. s162-s173 : ill., map <https://doi.org/10.1080/1755876X.2021.1946240>

4.2 Geographical and seasonal coverage of sea ice in the Baltic Sea

Raudsepp, Urmas; Uiboupin, Rivo; Laanemäe, Kaari; Maljutenko, Ilja Journal of operational oceanography 2020 / p. S1-S172, 11 p <https://doi.org/10.1080/1755876X.2020.1785097>

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](#)

Kuumalaine Läänemeres: septembri veetemperatuur on viimase 30 aasta kõrgeim

maaleht.delfi.ee 2024 [Kuumalaine Läänemeres: septembri veetemperatuur on viimase 30 aasta kõrgeim](#) [Septembri merevee temperatuur on viimase 30 aasta kõige soojem](#)

Külm on Läänemere juba veerandi jäätteki alla surunud

Raudvere, Rein-Erich maaleht.ee 2024 [Külm on Läänemere juba veerandi jäätteki alla surunud](#)

Laineparameetrite määramine Läänemeres radariandmete põhjal

Rikka, Sander; Uiboupin, Rivo; Alari, Victor Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 22-30 : ill

LainePoi si sõit Kaliningradi

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/lainepoi-soit-kaliningradi/>

A large-scale high-resolution numerical model for sea-ice fragmentation dynamics

Äström, Jan; Robertsen, Fredrik; Haapala, Jari; Polojärvi, Arttu; Uiboupin, Rivo; Maljutenko, Ilja The Cryosphere 2024 / p. 2429–2442 <https://doi.org/10.5194/tc-18-2429-2024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Liivi lahe jääolude kaardistamine kaugseireandmete põhjal

Raag, Laura; Sipelgas, Liis; Uiboupin, Rivo Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 38-46 : ill., kaart

Long term interferometric temporal coherence and DInSAR phase in northern peatlands

Tampuu, Tauri; Praks, Jaan; Uiboupin, Rivo; Kull, Ain Remote Sensing 2020 / Art. 1566 <https://doi.org/10.3390/rs12101566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping flood extent and frequency from Sentinel-1 imagery during the extremely warm winter of 2020 in boreal floodplains and forests

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo Remote sensing 2021 / art. 4949, 17 p. : ill., map <https://doi.org/10.3390/rs13234949> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping recurrent flooding zone along Estonian inland waters from Sentinel-1 and-2

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo International archives of the photogrammetry, remote sensing and spatial information sciences 2020 / p. 627-632 <https://doi.org/10.5194/isprs-archives-XLIII-B3-2020-627-2020> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Mapping water quality parameters with Sentinel-3 ocean and land colour instrument imagery in the Baltic Sea

Toming, Kaire; Kutser, Tiit; Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo; Paavel, Birgot Remote sensing Remote Sensing of Water Quality 2017 / art. 1070, 21 p <https://doi.org/10.3390/rs9101070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Marine heatwaves develop along Estonian coast

Oidermaa, Jaan-Juhan; Rudi, Hanneli news.err.ee 2024 [Marine heatwaves develop along Estonian coast](#)

Meteo-marine parameters from Sentinel-1 SAR imagery : towards near real-time services for the Baltic Sea

Rikka, Sander; Pleskachevsky, Andrey; Jacobsen, Sven; Alari, Victor; Uiboupin, Rivo Remote sensing 2018 / art. 757, 17 p. : ill <https://doi.org/10.3390/rs10050757> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A method for significant wave height estimation from circularly polarized X-Band coastal marine radar images

Rikka, Sander; Uiboupin, Rivo; Kõuts, Tarmo; Vahter, Kaimo; Pärt, Siim IEEE Geoscience and Remote Sensing Letters 2019 / p. 844-848 : ill <https://doi.org/10.1109/LGRS.2018.2886631> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Methodology for mapping flood extent on Estonian floodplains

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo; Rikka, Sander 2020 IEEE International Geoscience and Remote Sensing Symposium, September 26 – October 2, 2020 : Virtual Symposium : Proceedings 2020 / p. 4750-4753 <https://doi.org/10.1109/IGARSS39084.2020.9324369> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mida parem mereanalüüs, seda parem mereringe

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

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

An ocean–wave–trajectory forecasting system for the eastern Baltic Sea : validation against drifting buoys and

implementation for oil spill modeling

Pärt, Siim; Björkqvist, Jan-Victor; **Alari, Victor;** **Maljutenko, Ilja;** **Uiboupin, Rivo** Marine pollution bulletin 2023 / art. 115497, 13 p. : ill <https://doi.org/10.1016/j.marpolbul.2023.115497> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Oil spill detection using fluorometric sensors : laboratory validation and implementation to a ferryBox and a moored SmartBuoy

Pärt, Siim; Kankaanpää, Harri; **Björkqvist, Jan-Victor;** **Uiboupin, Rivo** Frontiers in marine science 2021 / art. 778136 : ill <https://doi.org/10.3389/fmars.2021.778136> <https://www.frontiersin.org/articles/10.3389/fmars.2021.778136/full> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optical and physical properties of coastal water and their relations to radar (ASAR) data - a case study of Muuga Bay, Gulf of Finland

Sipelgas, Liis; **Raudsepp, Urmas;** **Uiboupin, Rivo** Estonian journal of ecology 2008 / 3, p. 185-197 : ill

Optical and physical properties of coastal water and their relations to radar (ASAR) data - case study of Muuga Bay in the Gulf of Finland

Sipelgas, Liis; **Raudsepp, Urmas;** **Uiboupin, Rivo** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 146

Phytoplankton blooms in the Baltic Sea

Raudsepp, Urmas; She, Jun; Brando, Vittorio E.; Santoleri, Rosalia; Sammartino, Michela; **Kõuts, Mariliis;** **Uiboupin, Rivo;** **Maljutenko, Ilja** Journal of operational oceanography 2019 / p. s21-s26 : ill., map <https://doi.org/10.1080/1755876X.2019.1633075>

Püsiv jääkate jäi sooja talve tõttu Läänemerele tulemata

Kõuts, Mariliis; **Uiboupin, Rivo** novaator.err.ee 2025 <https://novaator.err.ee/1609633382/pusiv-jaakate-jai-sooja-talve-tottu-laanemerele-tulemata>

Radar remote sensing of meteo-marine parameters in the Baltic Sea = Laine- ja tuuleväljade määramine Läänemeres radarkaugseire andmetest

Rikka, Sander 2019 <https://digi.lib.ttu.ee/i/?12168>

Radar remote sensing of the meteo-marine parameters in the Baltic Sea [Online resource]

Rikka, Sander; **Uiboupin, Rivo;** Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 139-140 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Radarkaugseire kasutamine Läänemere lainetuse ja tuuleväljade määramiseks

Rikka, Sander; **Uiboupin, Rivo;** Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 32-40 : ill https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf

Record high heat content and low ice extent in the Baltic Sea during winter 2019/20

Raudsepp, Urmas; **Maljutenko, Ilja;** Haapala, Jari; **Männik, Aarne;** **Verjovkina, Svetlana;** **Uiboupin, Rivo;** von Schuckmann, Karina; Mayer, Michael Journal of operational oceanography 2022 / p. 175-185 : ill. <https://doi.org/10.1080/1755876X.2022.2095169>

A review on remote-sensing-based harmful cyanobacterial bloom monitoring services

Janatian, Nasim; **Raudsepp, Urmas;** **Broomandi, Parya;** Fickas, Kate; Olli, Kalle; Heimovaara, Timo; **Männik, Aarne;** **Uiboupin, Rivo;** Pahlevan, Nima Remote sensing applications society and environment 2025 / art. 101488 <https://doi.org/10.1016/j.rsase.2025.101488>

River bulge evolution and dynamics in a non-tidal sea - Daugava River plume in the Gulf of Riga, Baltic Sea

Soosaar, Edith; **Maljutenko, Ilja;** **Uiboupin, Rivo;** **Skudra, Maris;** **Raudsepp, Urmas** Ocean science 2016 / p. 417-432 : ill <https://doi.org/10.5194/os-12-417-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea ice in the Baltic Sea during 1993/94–2020/21 ice seasons from satellite observations and model reanalysis

Singh, Shakti; **Maljutenko, Ilja;** **Uiboupin, Rivo** The cryosphere 2025 / p. 4741-4758 <https://doi.org/10.5194/tc-19-4741-2025> [Article at Scopus](#) [Article at WOS](#)

Sea ice type classification in the Baltic Sea from TanDEM-X imagery

Laanemäe, Kaari; **Uiboupin, Rivo;** **Rikka, Sander** EUSAR 2016 : 11th European Conference on Synthetic Aperture Radar : 06-09 June, 2016, Hamburg, Germany : proceedings 2016 / p. 657-660 : ill

Sea state in the Baltic Sea from space-borne high-resolution synthetic aperture radar imagery

Rikka, Sander; Pleskachevsky, Andrey; **Uiboupin, Rivo;** Jacobsen, Sven International journal of remote sensing 2018 / p. 1256-1284 : ill <https://doi.org/10.1080/01431161.2017.1399475> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea state parameters in highly variable environment of Baltic Sea from satellite radar images

Rikka, Sander; Pleskachevsky, Andrey; **Uiboupin, Rivo;** Jacobsen, Sven 2017 IEEE International Geoscience & Remote Sensing Symposium : proceedings : July 23-28, 2017, Fort Worth, Texas, USA 2017 / p. 2965-2968 : ill
<https://doi.org/10.1109/IGARSS.2017.8127621> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Sea surface circulation in the Baltic Sea : decomposed components and pattern recognition

Barzandeh, Amirhossein; Maljutenko, Ilja; **Rikka, Sander;** Lagemaa, Priidik; Männik, Aarne; **Uiboupin, Rivo;** Raudsepp, Urmas Scientific reports 2024 / art. 18649 <https://doi.org/10.1038/s41598-024-69463-8> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Sentinel satelliitide andmetel põhinev operatiivne jääseireteenus

Rikka, Sander; Sipelgas, Liis; **Simon, Martin;** Služenikina, Jekaterina; **Siitam, Laura;** **Uiboupin, Rivo** Kaugseire Eestis 2021 : artiklikogumik 2022 / p. 53-64 https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire_eestis_2021_artiklikogumik_1.pdf
<https://kaugseire.ee/2021>

Shipborne GNSS acquisition of sea surface heights in the Baltic Sea

Liibusk, Aive; **Varbla, Sander;** Ellmann, Artu; **Vahter, Kaimo;** **Uiboupin, Rivo;** Delpeche-Ellmann, Nicole Camille Journal of geodetic science 2022 / 21 p. : ill., map <https://doi.org/10.1515/jogs-2022-0131> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Statistical characterization of the sea ice extent during different winter scenarios in the Gulf of Riga (Baltic Sea) using optical remote-sensing imagery

Siitam, Laura; Sipelgas, Liis; **Pärn, Ove;** **Uiboupin, Rivo** International journal of remote sensing 2017 / p. 617-638 : ill
<https://doi.org/10.1080/01431161.2016.1268734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Talv on katnud ligi veerandi Läänemerest jääga = Площадь ледового покрова в Балтийском море достигает 80 000 квадратных километров

Grepp, T. err.ee 2024 [Talv on katnud ligi veerandi Läänemerest jääga](#) [Площадь ледового покрова в Балтийском море достигает 80 000 квадратных километров](#)

Tehnikaülikooli teadlased: Tallinna lahest saaks energiat ammutada soojuspumpadega, aga sellega kaasneb mitu probleemi

rohe.geenius.ee novaator.err.ee 2024 [Tehnikaülikooli teadlased: Tallinna lahest saaks energiat ammutada soojuspumpadega, aga sellega kaasneb mitu probleemi](#) [Eesti teadlased soovivad tube kütta Läänemerest välja pumbatava soojusega](#) [Läänemeri võib tulevikus kodud soojaks kütta](#)

The ice seasons severity by the ice extents sum on the Baltic Sea during 1982-2015

Pärn, Ove; Rjazin, Jevgeni; **Uiboupin, Rivo** 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. 151-152 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.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

Validation of Copernicus sea level altimetry products in the Baltic Sea and Estonian lakes

Liibusk, Aive; **Kall, Tarmo;** **Rikka, Sander;** **Uiboupin, Rivo;** Suursaar, Ülo; Tseng, K.-H. Remote sensing 2020 / art. 4062, p. 1-19
<https://doi.org/10.3390/rs12244062> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Validation of sentinel-3 coastal altimetry data on the Baltic Sea and Estonian lakes

Liibusk, Aive; **Kall, Tarmo;** **Rikka, Sander;** **Uiboupin, Rivo** 12th Coastal Altimetry Workshop : Coastal Altimetry Training Course, 4-7 February, 2020 : European Space Agency ESRI, Frascati, Italy : abstracts 2020 / p. 39-40
<https://az659834.vo.msecnd.net/eventsairwesteuprod/production-nikal-public/ae128dad984c40168397660cc8d0ede7>

Variability of optical parameters during upwelling and downwelling events – a study along NW coast of Estonia (Baltic Sea)

Arikas, Age; **Uiboupin, Rivo;** Sipelgas, Liis 2019 European Space Agency Living Planet Symposium 2019 / [1] p
<https://lps19.esa.int>

Water quality near Estonian harbours in the Baltic Sea as observed from entire MERIS full resolution archive

Sipelgas, Liis; **Uiboupin, Rivo;** **Arikas, Age;** **Siitam, Laura** Marine pollution bulletin 2018 / p. 565-574 : ill
<https://doi.org/10.1016/j.marpolbul.2017.09.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vene merevägi varastas TalTechi instituudi lainepoi

Lauri, Vahur err.ee 2025 <https://www.err.ee/1609704423/vene-merevagi-varastas-tehnikaulikooli-instituudi-lainepoi>

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Lauri, Vahur rus.err.ee 2025 <https://rus.err.ee/1609704450/uchenye-taltech-obvinili-vms-rossii-v-pohiwenii-volnoizmeritelnogo-buja>

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