

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

Accumulation of heavy minerals in the eastern coast of the Gulf of Riga, south-western Estonia

Järvelill, Johanna-lisebel; **Kleesment, Anne**; Raukas, Anto Bulletin of the Geological Society of Finland 2015 / p. 67 - 78
<https://doi.org/10.17741/bgsf/87.2.002> [Journal metrics at Scopus](#) [Article at Scopus](#)

Alongshore sediment transport analysis for a semi-enclosed basin: a case study of the Gulf of Riga, the Baltic Sea

Soomere, Tarmo; Jankowski, Mikołaj Zbigniew; Eelsalu, Maris; Parnell, Kevin Ellis; Viška, Maija Ocean Science 2025 / p. 619-641 <https://doi.org/10.5194/os-21-619-2025>

An evolution of freshwater bulge in laboratory scale experiments and natural conditions = Jõevee levik rannikumeres Riia lahe näitel

Soosaar, Edith 2016 http://www.ester.ee/record=b2630616*est

An investigation of anticyclonic circulation in the southern Gulf of Riga during the spring period

Soosaar, Edith; Maljutenko, Ilja; Raudsepp, Urmas; Elken, Jüri Continental shelf research 2014 / p. 75-84 : ill
<https://doi.org/10.1016/j.csr.2014.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analüüs: meretuulikute ennustatav keskkonnamõju võib jääda väiksemapoolseks [Võrguväljaanne]

Hellerma, Juhan novaator.err.ee ["Analüüs: meretuulikute ennustatav keskkonnamõju võib jääda väiksemapoolseks"](#)

Baltic agriculture in transition - the contribution to nutrient loads in the Gulf of Riga drainage basin

Vagstad, Nils; Jansons, Viesturs; **Loigu, Enn**; Deelstra, Johannes International Conference on Agricultural Effects on Ground and Surface Waters : Research and Policy at the Edge of Science and Society : Wageningen, 2000 2000 / p. 1-9
https://www.researchgate.net/publication/267831903_Baltic_agriculture_in_transition-the_contribution_to_nutrient_loads_in_the_Gulf_of_Riga_drainage_basin

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](#)

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

Currents in the Suur Strait and their role in the nutrient exchange between the Gulf of Riga and the Baltic Proper

Suursaar, Ülo; **Astok, Villu**; Kullas, Tiit; **Nõmm, Avo**; Otsmann, Mikk Proceedings of the Estonian Academy of Sciences. Ecology 1995 / 3/4, p. 103-123: ill

Currents in the Suur Strait between the Gulf of Riga and the Baltic Proper

Suursaar, Ülo; Astok, Villu; Kullas, Tiit; Otsmann, Mikk; **Nõmm, Avo** Ann. Geoph. / European Geophysical Society 1995 / p. 250

Differences in stationary and nonstationary analysis of water level extremes in Latvian waters, Baltic Sea, during 1961-2018

Männikus, Rain; Kudryavtseva, Nadezhda; Soomere, Tarmo 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.74-75 : ill ["proceedings"](#)

Enefit Green: Baltic Sea ice ups cost of wind turbine construction

Klementi, Joakim news.err.ee 2023 [Enefit Green: Baltic Sea ice ups cost of wind turbine construction](#)

Enefit Green: jäine meri teeb tuulikute rajamise kallimaks

Klementi, Joakim err.ee 2023 [Enefit Green: jäine meri teeb tuulikute rajamise kallimaks](#)

Enefit Green: замерзшее море делает строительство ветряков дороже

Klementi, Joakim rus.err.ee 2023 [Enefit Green: замерзшее море делает строительство ветряков дороже](#)

Exponential distribution of wave-driven near-bed water speeds under short-crested waves: a case study in the eastern Gulf of Riga, the Baltic Sea

Eelsalu, Maris; Piho, Laura; Aigars, Juris; Kelpšaitė-Rimkienė, Loreta; Kondrat, Vitalijus; **Kruusmaa, Maarja; Parnell, Kevin Ellis; Ristolainen, Asko**; Šakurova, Ilona; Skudra, Māris; Viška, Maija; **Soomere, Tarmo** Proceedings of the Estonian Academy of

Geological surveys of the planned wind farm area in the eastern part of the Gulf of Riga

Tuuling, Igor; Suuroja, Sten; Veski, Anu; **Soosalu, Heidi Elisabet** Yearbook 2022 / Geological Survey of Estonia 2023 / p. 20-22 : ill https://www.ester.ee/record=b5231713*est https://www.ester.ee/record=b5258422*est

GIS-based multiproxy coastline reconstruction of the eastern Gulf of Riga, Baltic Sea, during the Stone Age

Habicht, Hando-Laur; Rosentau, Alar; Jõelet, Argo; **Heinsalu, Atko**; Kriiska, Aivar; Kohv, Marko; Hang, Tiit; Aunap, Raivo Boreas 2017 / p. 83-99 : ill <https://doi.org/10.1111/bor.12157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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](#)

Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga

Najafzadeh, Fatemeh; Soomere, Tarmo Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

Influence of environmental variables on biochemical biomarkers in the amphipod *monoporeia affinis* from the Gulf of Riga (Baltic Sea)

Strode, Evita; Barda, Ieva; Suharev, Natalija; **Kolesova, Natalja**; Turja, Raisa; Lehtonen, Kari K. Water 2023 / art. 248 <https://doi.org/10.3390/w15020248> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Investigation of surface currents near Cape Kolka in the Gulf of Riga by use of surface drifters

Torsvik, Tomas; Viikmäe, Bert 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. 153 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Liivi lahe idaossa planeeritava tuulepargi ala geoloogilised uuringud

Tuuling, Igor; Suuroja, Sten; Veski, Anu; **Soosalu, Heidi Elisabet** Aastaraamat 2022 / Eesti Geoloogiateenistus 2023 / lk. 18-20 : ill https://www.ester.ee/record=b5231712*est https://www.ester.ee/record=b5258416*est

Liivi lahe jääolude kaardistamine kaugseireandmete põhjal

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

Liivi lahe süvakihtides napib hooajati hapnikku

Imeline Teadus 2023 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Läänemeri maksab 50 aastat tagasi tehtud rumaluste eest veel pikalt lõivu [Võrguväljaanne]

Velleste, Eget epl.delfi.ee 2021 "[Läänemeri maksab 50 aastat tagasi tehtud rumaluste eest veel pikalt lõivu](#)"

Läänemeri muutub üha soolasemaks = Baltic Sea is becoming more salty

Oidermaa, Jaan-Juhan novaator.err.ee 2023 [Läänemeri muutub üha soolasemaks](#) [Baltic Sea is becoming more salty](#)

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

Lips, Urmas; Zhurbas, Victor; Skudra, Maris; Väli, Germo 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

Murtood – uued pinnavormid Eesti merepõhjas

Karpin, Vladimir Kuhu rändab Eesti geoloogia? : aprillikonverentsi teeside kogumik 2023 / lk. 12-13 https://www.ester.ee/record=b5552673*est

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

Lips, Urmas; Zhurbas, 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; Zhurbas, 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](#)

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 water level measurements in the Gulf of Riga during 1961-2016 [Online resource]

Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 130-131 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Pidevmõõtnised paljastasid Liivi lahe süvakihi hapnikuvaeguse ulatuse

Paat & Merendus 2023 / lk. 8 : ill http://www.ester.ee/record=b4471304*est

Renewed circulation scheme of the Baltic Sea – based on the 40-year simulation with GETM

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

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](#)

Sediment transport patterns along the eastern coasts of the Baltic Sea = Settetranspordi mustrid Läänemere idarannikul

Viška, Maija 2014 https://www.ester.ee/record=b4419095*est

Simulated and observed reversals of wave-driven alongshore sediment transport at the eastern Baltic Sea coast

Viška, Maija; Soomere, Tarmo Baltica 2013 / p. 145-156 : ill <https://doi.org/10.5200/baltica.2013.26.15> [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](#)

Superelevations of water level in the Gulf of Riga [Online resource]

Männikus, Rain; Soomere, Tarmo; Kudryavtseva, Nadezhda 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. 38 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Tallinna tehnikaülikool uurib Liivi lahe hapnikupuuduse tagamaid

parnu.postimees.ee 2023 [Tallinna tehnikaülikool uurib Liivi lahe hapnikupuuduse tagamaid](https://www.postimees.ee/2023/06/01/tallinna-tehnika-ue-uurib-liivi-lahe-hapnikupuuduse-tagamaid)

Upwelling characteristics in the Gulf of Riga (Baltic Sea) : multiple data source approach

Skudra, Maris; Väli, Germo; Ikauniece, Anda; Papirtis, Miks Frontiers in marine science 2023 / art. 1244643 <https://doi.org/10.3389/fmars.2023.1244643> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability of currents in the Suur Strait, Gulf of Riga

Suursaar, Ülo; Astok, Villu; Kullas, Tiit; Otsmann, Mikk; Nömm, Avo XVII Geofysiikanpäivät Oulussa, 11.-12.5.1995 1995 / p. 99-104

Water circulation in gulf type regions of freshwater influence - the Gulf of Finland and Gulf of Riga = Vee tsirkulatsioon poolsuletud magevee mõjualas - Soome lahes ja Liivi lahes

Maljutenko, Ilja 2019 <https://digi.lib.ttu.ee/i/?12438>

Water level dynamics in the eastern Baltic Sea, 1961-2018 = Läänemere idaranniku ja Liivi lahe veetaseme dünaamika 1961-2018

Männikus, Rain 2021 https://www.ester.ee/record=b5405724*est <https://digikogu.taltech.ee/et/Item/87291e03-a0d0-4be8-a408-8ff45cb16f1d> <https://doi.org/10.23658/taltech.12/2021>

Winds in the Gulf of Riga from QuikSCAT and ground-based measurements

Služenikina, Jekaterina; Keevallik, Sirje International Journal of Remote Sensing 2016 / p. 5731 - 5747 <https://doi.org/10.1080/01431161.2013.796098> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Väinameri - the buffer zone in the water and nutrient exchange between the Gulf of Riga and the Baltic Proper
Suursaar, Ülo; **Astok, Villu**; Kullas, Tiit; Otsmann, Mikk; **Nõmm, Avo** Estonia : geographical studies 1996 / p. 5-28