

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

Action Group West - analysis and results

Arnesson, Sten Inge Environmental Protection Strategy Standardization and Control of Pollution Load on the Marine Environment : 1st International Conference, 20-24 September 1993, Tallinn, Estonia 1994 / p. 132-138: ill

Airborne laser scanning determination of sea surface heights [Electronic resource]

Ellmann, Artu; Julge, Kalev; Gruno, Anti; Liibusk, Aive 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

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>

Along-track satellite altimetry to identify coastal sea level dynamics using a synergized geodetic-oceanographic approach = Satelliitaltimeetria pikiorbiitse andmestikuga rannikumere veetaseme dünaamika tuvastamine kasutades sünergilist geodeetilise-okeanograafilist meetodit

Mostafavi, Majid 2024 https://www.ester.ee/record=b5671644*est <https://doi.org/10.23658/taltech.11/2024>
<https://digikogu.taltech.ee/et/Item/49eaa519-adfc-42a0-98dd-a69ba649331a>

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

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

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](#)

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 LSTM models for Baltic Sea wave spectra estimation

Simon, Martin; Rikka, Sander; Nõmm, Sven; Alari, Victor IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 2023 / p. 83-88 : ill <https://doi.org/10.1109/JSTARS.2022.3220882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessing near-bottom velocity field using an experimental particle image velocimeter

Buschmann, Fred; Erm, Ants; Listak, Madis The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 317 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

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

Kutser, Tiit; Soomets, Tuuli; Toming, Kaie; 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) : Klaipeda, Lithuania 12 - 15 June 2018 2018 / p. 52-57 : ill
<https://doi.org/10.1109/BALTIC.2018.8634849>

Bioaccumulation of toxic organic compounds and their isomers into the organism of seals in Estonian coastal waters
Roots, Ott 23rd Estonian Chemistry Days : abstracts of scientific conference 1997 / p. 135

Coastal management options in the Baltic Sea, with particular reference to coastal infrastructure
Parnell, Kevin Ellis 2nd International Baltic Earth Workshop on Multiple Drivers of Earth system changes in the Baltic Sea region, Helsinki, 4-5 December 2024 : Abstracts 2024 / p. 18
https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/2nd_be_workshop_md_2024_helsinki_booklet.pdf

Coastal processes and erosion with and without swell waves and tides in marginal seas
Parnell, Kevin Ellis; Soomere, Tarmo New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 163-164 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Coastal sea level trend using multi mission along track satellite altimetry for the Baltic Sea
Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 / 1 p <https://doi.org/10.57757/IUGG23-4967>

Coastal sea problems in Estonia
Liiv, Uno Proceedings NATO Advanced Research Workshop on Controversies between Water Resources Development and Protection of Environment, Visegrad, Hungary May 21-25, 1996 1996 / [6] p

Coastal water protection strategies and environmental impact assessment in Estonia
Lääne, Ain; Nõmm, Avo Abstracts of the 5th Stockholm Water Symposium, 13-18 August, 1995 1995 / p. 143-144

Coastline change of the Baltic Sea and its driving forces
Harff, Jan; Deng, Junjie; Dudzinska-Nowak, Joanna; **Soomere, Tarmo** The 13th Colloquium on Baltic Sea Marine Geology : September 12-16, 2016, Gdansk, Poland : abstract volume & field trip guidebook 2016 / p. 52 <https://www.pgi.gov.pl/dokumenty-pig-pib-all/publikacje-2/materialy-konferencyjne/4007-baltic-2016/file.html>

Decision support tools for the management of eastern Baltic Sea coasts
Barzehkar, Mojtaba; Parnell, Kevin Ellis; 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. 135-136 "[proceedings](#)"

Depth induced breaking of wind generated surface gravity waves in Estonian coastal waters
Alari, Victor; Raudsepp, Urmas Boreal environment research 2010 / p. 295-300 : ill
<https://helda.helsinki.fi/server/api/core/bitstreams/2829538a-c166-4a29-a83c-83d4a37abb8c/content>

Detecting ship wakes for the study of coastal processes
Rätsep, Margus; Parnell, Kevin Ellis; Soomere, Tarmo Journal of coastal research 2020 / p. 1258-1262
<https://doi.org/10.2112/S195-243.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Determination of metallic and non-metallic elements in coastal seawater and in algal biomass by atomic absorption spectrometry using colloidal palladium modifier
Viitak, Anu; Volynsky, Anatoly B.; Truus, Kalle; Vaher, Merike; Levandi, Tuuli 4th International Conference, Instrumental Methods of Analysis Modern Trends and Applications 2005 / p. 371

Dispersive and nondispersive nonlinear long wave transformations: numerical and experimental results
Torsvik, Tomas; **Abdalazeez, Ahmed**; Dutykh, Denys; Denissenko, Petr; **Didenkulova, Irina** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 41-60 https://doi.org/10.1007/978-3-030-29951-4_3
https://www.ester.ee/record=b5303400*est

Eesti lubab looduskaitsealal üliohtlikku äri ajada
Harju, Ülle Postimees 2021 / Lk. 2 <https://dea.digar.ee/article/postimees/2021/01/30/3.8>

Eesti lubab looduskaitsealal üliohtlikku äri ajada
Harju, Ülle Postimees 2021 / Lk. 4-5 : fot <https://leht.postimees.ee/7168042/eesti-lubab-looduskaitsealal-ulohtlikku-ari-ajada>

Eesti NSV rannikumere saastumise ja kaitse probleeme
Velner, Harald-Adam; Budanova, V. Eesti NSV rannikumere kaitse : [artiklite kogumik] 1982 / lk. 9-14
https://www.ester.ee/record=b1233548*est

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

Eesti rannikumere pruunvetikad indikaatorina Läänemere toksiliste elementide reostuse hindamisel

Levandi, Tuuli; Viitak, Anu; Truus, Kalle; Paasrand, Keddy; Tuvikene, Rando; **Vaher, Merike** XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 56-57

Eesti teadlaste uus süsteem ennustab lekkivate laevavrakkide kahju = Estonian scientists develop new shipwreck pollution prediction system

Harrik, Airika novaator.err.ee 2023 [Eesti teadlaste uus süsteem ennustab lekkivate laevavrakkide kahju](#) [Estonian scientists develop new shipwreck pollution prediction system](#)

Effects of wave asymmetry on its runup on a beach

Didenkulova, Irina; Denissenko, Petr; **Listak, Madis; Rodin, Artem;** Pelinovsky, Efim International Coastal Symposium 2013 : book of abstracts : Plymouth University, 8–12 April 2013 2013 / p. 370

Effects of wave asymmetry on its runup on a beach : theory and experiment

Didenkulova, Irina; Denissenko, Petr; **Rodin, Artem; Listak, Madis;** Pelinovsky, Efim International Conference Caribbean Waves 2 : Gosier, Guadeloupe, F.W.I., 22-25 January 2013 : conference program [and abstract book] 2013 / p. 103

Elavhõbeda sisaldus Eesti NSV rannikumere vees ja organismides

Ott, Roman; Jankovski, H.; **Kikas, Ülle; Lipre, Endla; Paju, Anne; Põder, Tõnis;** Žagel, K. Eesti NSV rannikumere kaitse : [artiklite kogumik] 1982 / lk. 93-101 https://www.ester.ee/record=b1233548*est

Environmental impact assessment of offshore sand mining in Estonian coastal sea

Kask, Andres; Kask, Jüri; Soomere, Tarmo Eesti Mereakadeemia Toimetised = Proceedings of Estonian Maritime Academy 2006 / p. 19-31 : ill

Environmental impact assessments in Estonian coastal waters in 2001-2004

Lapimaa, Triin Baltic Sea Science Congress Rostock 2007 : March 19-22, 2007 at Rostock University : abstract volume. Part 2, Poster 2007 / p. 96

Erosion by vessel waves

Soomere, Tarmo The Gulf of Finland assessment 2016 / p. 324-325 : ill <http://hdl.handle.net/10138/166296>

Evolving narratives of ship wake science and management

Soomere, Tarmo; Parnell, Kevin Ellis The 1st ShipWave International Workshop on Ship-induced Hydrodynamic Loads in Shallow Confined Coastal Waterways Hamburg, Germany, 22 to 24 March 2023 : Book of Abstracts 2023 / p. 2-3 <https://doi.org/10.18451/shipwave.2023>

Experimental measurements of statistics of long wave runup on a plane beach

Denissenko, Petr; **Didenkulova, Irina; Listak, Madis;** Pelinovsky, Efim International Coastal Symposium 2013 : book of abstracts : Plymouth University, 8–12 April 2013 2013 / p. 368

Experimental statistics of long wave runup on a plane beach

Denissenko, Petr; **Didenkulova, Irina; Rodin, Artem; Listak, Madis;** Pelinovsky, Efim Journal of coastal research 2013 / p. 195-200 : ill <https://doi.org/10.2112/S165-034.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Experimental study of wave impact on the nearshore structures during extreme coastal floods

Sriram, Venkatachalam; **Didenkulova, Irina;** Pelinovsky, Efim; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-4240

Fast ferry traffic as a qualitatively new forcing factor of environmental processes in non-tidal sea areas : a case study in Tallinn Bay, Baltic Sea

Soomere, Tarmo Environmental fluid mechanics 2005 / p. 293-323 : ill <https://link.springer.com/article/10.1007/s10652-005-5226-1>

Fast shoreline erosion induced by ship wakes in a coastal lagoon : field evidence and remote sensing analysis

Zaggia, Luca; Lorenzetti, Giuliano; Manfe, Giorgia; **Soomere, Tarmo** PLoS ONE 2017 / art. e0187210, p. 1-23 : ill <https://doi.org/10.1371/journal.pone.0187210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Field experiments with different fractions of painted sediments to study material transport in three coastal sites in Estonia

Tõnisson, Hannes; **Eelsalu, Maris; Pindsoo, Katri** Journal of coastal research 2014 / p. 229-234 : ill <https://doi.org/10.2112/S170-039.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

From green to brown: two decades of darkening coastal water in the Gulf of Riga, the Baltic Sea

Aigars, Juris; Suhareva, Natalija; Cepite-Frisfelde, Daiga; Kokorite, Ilga; **lital, Arvo;** Skudra, Maris; Viska, Maija Frontiers in marine science 2024 / art. 1369537 <https://doi.org/10.3389/fmars.2024.1369537>

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](#)

Growth, toxin content and production of *Dinophysis norvegica* in cultured strains isolated from Funka Bay (Japan)

Nagai, Satoshi; Basti, Leila; Uchida, Hajime; Kuribayashi, Takanori; Natsuike, Masafumi; **Sildever, Sirje**; Nakayama, Natsuko; Lum, Wai Mun; Matsushima, Ryuji *Toxins* 2023 / art. 318 <https://doi.org/10.3390/toxins15050318> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How do simple wave models perform compared with sophisticated models and measurements in the Gulf of Finland?

Männikus, Rain; Soomere, Tarmo; Suursaar, Ülo *Estonian journal of earth sciences* 2024 / p. 98-111
<https://doi.org/10.3176/earth.2024.10>

Improvement of the Estonian coastal sea monitoring on the example of the investigations in the Tallinn Bay

Nõmm, Avo *Monitoring Tailor-made : an international workshop on monitoring and assessment in water management*, Beekbergen, The Netherlands, September 20-23, 1994 : abstract book 1994 / p. 101-103

Improvement of the Estonian coastal sea monitoring on the example of the investigations in the Tallinn Bay

Nõmm, Avo *Proceedings of the International Workshop Monitoring Tailor-made : An International Workshop on Monitoring and Assessment in Water Management*, 20-23 September, 1994, Beekbergen, The Netherlands 1995 / p. 321-323

Interannual variations of ice cover and wave energy flux in the northeastern Baltic Sea

Zaitseva-Pärnaste, Inga; Soomere, Tarmo *Annals of glaciology* 2013 / p. 175-182 : ill <https://doi.org/10.3189/2013AoG62A228> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigating an upwelling system along the eastern Makran coast

Zoljoodi Zarandi, M.; **Barzandeh, Amirhossein**; Hassanzadeh, S.; Zoljoodi Zarandi, R. *Bulletin of geophysics and oceanography* 2024 / p. 123-138 <https://doi.org/10.4430/bgo00441>

Investigating sediment resuspension using combined optical and acoustic methods

Buschmann, Fred; Erm, Ants; Rebane, Jaan; Listak, Madis 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. 111 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Investigating the bottom boundary layer using a submersible particle image velocimeter

Buschmann, Fred; Erm, Ants; Listak, Madis; Rebane, Jaan *Measuring and Modelling of Multi-Scale Interactions in the Marine Environment : IEEE/OES Baltic Symposium 2014, May 26.-29. 2014, Tallinn, Estonia* : book of abstracts 2014 / p. 27

Kui palju on Läänemeres ohtlikke aineid? Eesti teadlased annavad ülevaate [Võrguväljaanne]

Künnis-Beres, Kai *postimees.ee* 2021 "[Kui palju on Läänemeres ohtlikke aineid? Eesti teadlased annavad ülevaate](#)"

Laevad meie merel : õnnistus või õnnetus

Soomere, Tarmo *Eesti Loodus* 2006 / 6, lk. 6-11 : ill <http://www.eestiloodus.ee/index.php?artikkel=1510>

Liivalasundite uurimisest Eesti rannikumeres

Kask, Andres; Kask, Jüri *Keskkonnatehnika* 2012 / lk. 40-43 : ill https://artiklid.elnet.ee/record=b2526244*est

Liivamaardlad Eesti rannikumeres

Kask, Andres; Kask, Jüri; Kornejev, Viktor *Ehitusmaterjalide kaevandamine ja varud : Eesti Mäekonverents 2005* 2005 / lk. 16-26 : ill

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

Long surface wave dynamics along a convex bottom

Didenkulova, Irina; Pelinovsky, Efim; Soomere, Tarmo *Journal of geophysical research* 2009 / p. C07006 [14 p.] : ill
<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2008JC005027>

Long-term changes of nutrient fluxes in the drainage basin of the Gulf of Finland - application of the PolFlow model

Piirimäe, Kristjan 2007 https://www.ester.ee/record=b2324627*est

Long-term changes of the eutrophication indicators of the Baltic Sea = Läänemere eutrofeerumise indikaatorite pikaajalised muutused

Kõuts, Mariliis 2023 <https://doi.org/10.23658/taltech.2/2023> <https://digikogu.taltech.ee/et/Item/b505a9c7-3146-4ccb-8cc0-f56a164c3571>

https://www.ester.ee/record=b5533334*est

Läänemere ekstreemsete veetasemete põnev maailm = Intriguing world of extreme water levels in the Baltic Sea

Soomere, Tarmo Eesti statistika kvartalikiri = Quarterly bulletin of statistics Estonia 2016 / lk. 128-137 : ill

http://www.ester.ee/record=b2479604*est

Läänemere rahutute rannikute põnevad saladused

Soomere, Tarmo Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 177-189 : ill., fot

https://www.ester.ee/record=b5208765*est

Mapping wave set-up near a complex geometric urban coastline

Soomere, Tarmo; Pindsoo, Katri; Bishop, Steven Richard; Käär, Arvo; Valdmann, Ain Natural hazards and earth system sciences discussions 2013 / p. 1651-1688 : ill <https://doi.org/10.5194/nhessd-1-1651-2013>

Mapping wave set-up near a complex geometric urban coastline

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

Marine coastal hazards for the eastern coasts of the Baltic Sea

Valdmann, Ain; Käär, Arvo; Kelpšaitė, Loreta; Kurennoy, Dmitry; Soomere, Tarmo Baltica 2008 / 1/2, p. 3-12

Marine heatwaves develop along Estonian coast

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

Measurement and model simulations of hydrodynamic parameters, observations of coastal changes and experiments with indicator sediments to analyse the impact of storm St. Jude in October, 2013

Tõnisson, Hannes; Suursaar, Ülo; **Alari, Victor;** Muru, Merle; Riviš, Reimo; Kont, Are; **Viitak, Marii** Journal of coastal research 2016 / p. 1257-1261 : ill <https://doi.org/10.2112/SI75-252.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Mikrobioloogilised uuringud Põhja-Eesti rannikumeres ja Soome lahes

Künnis, Kai Kaasaegse ökoloogia probleemid : ökoloogia ja energeetika : Eesti V ökoloogiakonverentsi teesid : Tartu, 24.-26. apr. 1991 = Problems of contemporary ecology : ecology and energetics 1991 / lk. 93-95 https://www.ester.ee/record=b1188990*est

Modeling of long waves from high speed ferries in coastal waters

Torsvik, Tomas; **Soomere, Tarmo** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume II, p. 1075-1079 : ill

Multidecadal Shoreline Monitoring at Parengarenga, Northern New Zealand: From Dumpy Level to LiDAR

Parnell, Kevin Ellis; Hosking, Peter; McLean, Roger; Nichol, Scott Journal of coastal research 2020 / p. 165-171

<https://doi.org/10.2112/JCR-SI101-031.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Near bottom sediment transport in some possible wind farm locations in the Estonian coastal sea

Erm, Ants; Buschmann, Fred; Alari, Victor; Kask, Jüri; Listak, Madis; Rebane, Jaan; Toming, Gert 11th Colloquium on Baltic Sea Marine Geology : Helsinki 19th-21st September, 2012 : abstract book 2012 / p. 15-16 : ill

Nonlinear ship wake waves as a model of rogue waves and a source of danger to the coastal environment : a review

Soomere, Tarmo Oceanologia 2006 / p. 185-202 : ill <https://www.semanticscholar.org/paper/Nonlinear-ship-wake-waves-as-a-model-of-rogue-waves-Soomere/c81ac50f7023a93e3c4e0011030d41e291cb341a>

Numerical study for run-up of breaking waves of different polarities on a sloping beach

Rodin, Artem; Didenkulova, Irina; Pelinovsky, Efim Extreme ocean waves. 2nd ed 2016 / p. 155-172 https://doi.org/10.1007/978-3-319-21575-4_9

Observatory for the coastal zone environment : RTD infrastructure project 2007-2009

Elken, Jüri 2010 http://www.ester.ee/record=b2594498*est

Ocean acidification research in Estonia: challenges and opportunities

Pajusalu, Liina; Dupont, Sam; **Lainela, Silvie;** Martin, Georg Proceedings of the Estonian Academy of Sciences 2019 / p. 22-31 : ill

<https://doi.org/10.3176/proc.2019.1.05> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-22-31.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Ohtlike ainete mõju uuringud Eesti rannikumeres ja Soome lahe idaosas

Künnis-Beres, Kai; Kuprijanov, Ivan Horisont 2021 / lk. 28-33 : ill https://www.ester.ee/record=b1072243*est

On coastal waves and related upwellings in the Narva Bay

Laanearu, Janek Coastal Engineering VI : Computer Modelling and Experimental Measurements of Seas and Coastal Regions : [papers of international conference] 2003 / p. 53-61 : ill

On the coastal zone management of the City of Tallinn under natural and anthropogenic pressure = Tallinna rannikualade haldamine loodusliku ja antropogeense surve tingimustes

Valdmann, Ain 2008 https://www.ester.ee/record=b2375058*est

On the occurrence of non-reflecting cross-shore profiles along Estonian coasts of the Baltic Sea

Didenkulova, Irina; Soomere, Tarmo; Pindsoo, Katri; Suuroja, Sten Estonian journal of engineering 2013 / p. 110-123 : ill
https://artiklid.elnet.ee/record=b2621591*est <https://doi.org/10.3176/eng.2013.2.02> [Article at Scopus](#)

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

Past environmental change and seawater intrusion into coastal Lake Lilaste, Latvia

Grudzinska, Ieva; Vassiljev, Jüri; Saarse, Leili; Reitalu, Triin; Veski, Siim Journal of paleolimnology 2017 / p. 257-271 : ill
<https://doi.org/10.1007/s10933-017-9945-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Persistency of debris accumulation in tidal estuaries using Lagrangian coherent structures

Ghosh, Anusmriti; Suara, Kabir Adewale; McCue, Scott W.; Yu, Yingying; **Soomere, Tarmo;** Brown, Richard J. The science of the total environment 2021 / art. 146808, 12 p. : ill <https://doi.org/10.1016/j.scitotenv.2021.146808> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A pilot study of hydrodynamical and geological conditions at some possible offshore wind farms in Estonian coastal waters

Erm, Ants; Alari, Victor; Kõuts, Tarmo; Lilover, Madis-Jaak; Kask, Andres Proceedings of European Seminar : Offshore Wind and Other Marine Renewable Energies in Mediterranean and European Seas : 21-23 May, Brindisi, Italy 2009 / p. 49-63

Preventiivsed meetodid ranniku kaitseks mere sisemise dünaamika abil

Soomere, Tarmo Teadusmõte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 197-211 : ill., kaart

Projected changes in wave conditions in the Baltic Sea by the end of 21st century and the corresponding shoreline changes

Suursaar, Ülo; Tõnisson, Hannes; **Alari, Victor; Raudsepp, Urmas;** Rästas, Henri; Anderson, Agnes Journal of coastal research 2016 / p. 1012-1016 <https://doi.org/10.2112/SI75-203.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Quality of Estonian coastal waters by underwater optical measurements

Alari, Victor; Erm, Ants; Väli, Germo; 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

Rannikumere põhjataimestiku seire

Martin, Georg; **Murumets, Kai** Infoleht / Eesti Vabariigi Keskkonnaministeerium. Info- ja tehnokeskus 1997 / 1/2, lk. 11-14: ill

Recently accelerated oxygen consumption rates amplify deoxygenation in the Baltic Sea - observations and model results [Online resource]

Meier, H.E. Markus; **Väli, Germo;** Naumann, Michael; Eilola, Kari; Frauen, Claudia 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 184 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Recently accelerated oxygen consumption rates amplify deoxygenation in the Baltic Sea

Meier, H. E. Markus; **Väli, Germo;** Naumann, Michael; Eilola, Kari; Frauen, Claudia Journal of geophysical research : oceans 2018 / p. 3227-3240 : ill <https://doi.org/10.1029/2017JC013686> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Run-up of a nonlinear monochromatic wave on a plane beach in presence of a tide

Didenkulova, Irina; Pelinovsky, Efim *Oceanology* 2019 / p. 478–481 : ill <https://doi.org/10.1134/S0001437019040027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runup of long irregular waves on plane beach

Didenkulova, Irina; Pelinovsky, Efim; Sergeeva, Anna *Extreme ocean waves*. 2nd ed 2016 / p. 141-153 : ill https://doi.org/10.1007/978-3-319-21575-4_8

Run-up of surface waves on a sea wall built on a convex bottom profile

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem *Oceanology* 2016 / p. 483-490 : ill <https://doi.org/10.1134/S0001437016030036> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Sea level rise and its impact on sediment dynamics along the southeastern Baltic Sea coast

Viska, M.; **Pindsoo, Katri** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 248 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

Sea level time series gap-filling with satellite altimetry using a bi-directional SARIMA model

Mostafavi, Majid; **Delpeche-Ellmann, Nicole Camille;** **Ellmann, Artu** 2023 Machine Learning And Data Analysis In Oceanography, University of Liège, Belgium 2023 / 1 p [Sea level time series gap-filling with satellite altimetry using a bi-directional SARIMA model](#)

Sedimentation conditions of marine Prangli and Naissaar sand deposits, the Estonian coastal sea

Kask, Andres; **Kask, Jüri;** Kornejev, Viktor; Okuntsov, E. *Baltica* 2008 / 1/2, p. 79-84

Smart analysis of water level extremes reveals hidden features of climate change

Soomere, Tarmo *Mathematical modelling and analysis* 2016 : abstracts 2016 / p. 70 http://www.ester.ee/record=b4573512*est

Some aspects of coastal sea problems in Estonia

Liiv, Uno *Inland and Maritime Navigation and Coastal Problems of East European Countries. Environmental Aspects of Dredging : proceedings of the International Conference [...]. Vol. 1* 1996 / p. 239-245: ill

Some observations of environmental impact assessments in Estonian coastal waters

Lapimaa, Triin; **Soomere, Tarmo** *Eesti Mereakadeemia Toimetised = Proceedings of Estonian Maritime Academy* 2006 / p. 77-92 : ill

Spatial variation of statistical properties of extreme water levels along the eastern Baltic Sea

Pindsoo, Katri; **Soomere, Tarmo;** Rocha, Eugenio *Geophysical research abstracts* 2016 / p. EGU2016-9679

Spatial variation of statistical properties of extreme water levels along the eastern Baltic Sea coast

Pindsoo, Katri; **Eelsalu, Maris;** **Soomere, Tarmo** 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. 126-127 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Spatio-temporal changes in the components of extreme water levels on Estonian coasts = Ekstreemsete veetasemete komponentide ajalis-ruumiline muutlikkus Eesti rannikul

Pindsoo, Katri 2017 <https://digi.lib.ttu.ee/i/?8647> https://www.ester.ee/record=b4693671*est

Spatio-temporal variability of the Baltic Sea wave fields = Läänemere lainetuse tingimuste ajalis-ruumiline muutlikkus

Räämet, Andrus 2010 https://www.ester.ee/record=b2604916*est

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>

Statistics for long irregular wave run-up on a plane beach from direct numerical simulations

Didenkulova, Irina; Senichev, Dmitry; Dutykh, Denys *Geophysical research abstracts* 2017 / p. EGU2017-19133

Statistics for long wave run-up on a sloping beach : theoretical predictions and experimental data

Didenkulova, Irina; Dutykh, Denys; Senichev, Dmitry 15th Plinius Conference on Mediterranean Risks : 8-11 June 2016, Giardini Naxos, Italy 2016 / p. 15-38

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

The Baltic Sea

Velner, Harald-Adam Our coastal seas : what is their future? : the environmental management of enclosed coastal seas : summary of an international conference 1996 / p. 113

The effects of ship wakes in the Venice Lagoon and implications for the sustainability of shipping in coastal waters

Scarpa, Gian Marco; Zaggia, Luca; **Parnell, Kevin Ellis; Soomere, Tarmo** Scientific reports 2019 / art. 19014, 14 p. : ill

<https://doi.org/10.1038/s41598-019-55238-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The run-up of nonlinearly deformed sea waves on the coast of a bay with a parabolic cross-section

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Moscow University physics bulletin 2016 / p. 323-328 : ill

<https://doi.org/10.3103/S0027134916030048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Toksiliste orgaaniliste ühendite ja nende isomeeride akumulatsioon Eesti rannikumere hüljeste organismi

Roots, Ott XXIII Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid 1997 / lk. 124

Trends in the components of extreme water levels signal a rotation of winds in strong storms in the eastern Baltic Sea

Pindsoo, Katri; Soomere, Tarmo Geophysical research abstracts 2016 / p. EGU2016-9378

Tsunami run-up on a plane beach in a tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2020 / p. 1583-1593 : ill <https://doi.org/10.1007/s00024-019-02332-y>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tsunami wave run-up on a vertical wall in tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2018 / p. 1387-1391 <https://doi.org/10.1007/s00024-017-1744-2>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TTÜ teadlased töötasid välja reostuse leviku prognoosisüsteemi

Kuidas ennustada merel reostuse levikut?

keskkonnatehnika.ee 2023 [TTÜ teadlased töötasid välja reostuse leviku prognoosisüsteemi](#) [Kuidas ennustada merel reostuse levikut?](#)

A typical wave wake from high-speed vessels : its group structure and run-up

Didenkulova, Irina; Rodin, Artem Nonlinear processes in geophysics 2013 / p. 179-188 : ill <https://doi.org/10.5194/npg-20-179-2013>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Underwater soundscape analysis in shallow coastal waters = Veealuse helimaastiku analüüs madalates rannikuvetes

Prawirasasra, Muhammad Saladin 2024 https://www.ester.ee/record=b5685069*est <https://doi.org/10.23658/taltech.21/2024>

<https://digikogu.taltech.ee/et/Item/cc4fd2ab-05db-44cf-9cf8-bb73f32671a7>

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](#)

Validation of the Sentinel-3A SRAL altimeter data for the coastal waters of the Baltic Sea

Delpeche-Ellmann, Nicole Camille; Ellmann, Artu; Birgiel, Elzbieta IUGG 2019 : abstract book 2019 / [1] p., abstract: JM09p-113

<http://iugg2019montreal.com/abstract-book.html>

Variability in the properties of wakes generated by high-speed ferries

Kurennoy, Dmitry; Soomere, Tarmo; Parnell, Kevin Ellis Journal of coastal research 2009 / Special issue 56, Proceedings of the

10th International Coastal Symposium ICS 2009. Volume I, p. 519-523 : ill <https://www.jstor.org/stable/25737631>

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 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>

Water level extremes at the Baltic Sea coast

Soomere, Tarmo Contributions to the Foundations of Multidisciplinary Research in Mechanics : papers presented during the 24th

International Congress of Theoretical and Applied Mechanics ICTAM 2016, Montreal, August 22-26, 2016. Vol. 2 2017 / p. 1135-

1136 http://iutam.org/wp-content/uploads/2017/02/ICTAM_Proceedings_Vol_2.pdf

Water level extremes signal changes in the wind direction in the northeastern Baltic Sea

Soomere, Tarmo; Eelsalu, Maris; Pindsoo, Katri 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. 132-133 http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Wave regime differences along the eastern coast of the Baltic Proper

Kelpšaitė, Loreta; Herrmann, Heiko; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 225-231 : ill

Veetasemete ekstreemumid ja korduvusperioodid Eesti rannikul

Soomere, Tarmo; Pindsoo, Katri; Eelsalu, Maris 2016 http://www.ester.ee/record=b4558801*est

Vessel-wave induced potential longshore sediment transport at Aegna Island, Tallinn Bay

Kelpšaitė, Loreta; Soomere, Tarmo Estonian journal of engineering 2009 / 3, p. 168-181 : ill

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

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

Wind-driven stratification patterns and dissolved oxygen depletion off the Changjiang (Yangtze) Estuary

Liblik, Taavi; Wu, Yijing; Fan, Daidu; Shang, Dinghui Biogeosciences 2020 / p. 2875–2895 : ill <https://doi.org/10.5194/bg-17-2875-2020> [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](#)

Накат длинных волн на берег в бухте параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 905-910

Накат нелинейно деформированных морских волн на берег бухты параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Вестник Московского Университета. Серия 3, Физика. Астрономия 2016 / с. 84-89 : ил <http://vmu.phys.msu.ru/file/2016/3/16-3-84.pdf>

Накат нелинейной монохроматической волны на плоский откос в присутствии прилива

Didenkulova, Irina; Pelinovsky, Efim Океанология 2019 / с. 529–532 : ил <https://doi.org/10.31857/S0030-1574594529-532>

Накат поверхностных волн на стенку, установленную на выпуклом донном профиле

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Океанология 2016 / с. 529-536 <https://doi.org/10.7868/S0030157416030035>

Простейшие математические модели морских природных катастроф в прибрежной зоне моря = Simple mathematical models for marine hazards in the coastal zone

Didenkulova, Irina Сборник тезисов участников форума "Наука будущего - наука молодых" - Казань, 2016. Том 1 2016 / с. 296

Экспериментальное исследование воздействия волн на прибрежные сооружения при экстремальных наводнениях

Rodin, Artem; Didenkulov, Oleg; Sergeeva, Anna; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 421

Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны

Uiboupin, Rivo rus.postimees.ee 2024 [Экстремальная ситуация: у побережья Эстонии возникли морские тепловые волны](#)