

A reliability study of wave climate modelling in the Baltic Sea

Räämet, Andrus; Soomere, Tarmo 6th Study Conference on BALTEX : 14-18 June 2010, Miedzyzdroje, Poland : conference proceedings 2010 / p. 71-72 : ill

Aasta arendustööd 2022

Mente et Manu 2023 / lk. 26-27 : fot https://www.ester.ee/record=b1242496*est

Alongshore sediment transport in the Eastern Baltic Sea

Jankowski, Mikolaj Zbigniew; Soomere, Tarmo; Parnell, Kevin Ellis; Eelsalu, Maris Journal of coastal research 2024 / p. 261-265 <https://doi.org/10.2112/JCR-SI113-052.1>

Analysis of wave properties in the Baltic Sea : integrating findings from the Gulf of Finland, Gulf of Riga and Western Baltic Coasts

Giudici, Andrea; Männikus, Rain; Jankowski, Mikolaj Zbigniew; Soomere, Tarmo New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 61-62
https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Analytical theory of nonlinear long wave runup on a coast

Didenkulova, Irina BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 132

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 non-stationary extreme value modeling to account for trends in extreme water level changes along the Baltic Sea Coast

Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo The 15th International Coastal Symposium 2018 Haeundae, Busan, Republic of Korea 13th – 18th May 2018 : book of abstracts 2018 / p. 38

Applications of the inverse problem of pollution propagation

Soomere, Tarmo Preventive methods for coastal protection : towards the use of ocean dynamics for pollution control 2013 / p. 319-366 : ill

An assessment of Caspian Sea modeled wave climate using ERA5 winds

Männikus, Rain; Giudici, Andrea; Mayemerova, Gülnara; Beisembekova, Meruyert; Rakisheva, Zaure Bayanovna; Soomere, Tarmo Journal of coastal research 2024 / p. 649-653 <https://doi.org/10.2112/JCR-SI113-128.1>

Catalogue of rogue waves reported in media in 2006-2010

Nikolkina, Irina; Didenkulova, Irina Natural hazards 2012 / p. 989-1006 : ill
https://www.researchgate.net/publication/251398823_Catalogue_of_rogue_waves_reported_in_media_in_2006-2010

Changes in the wave climate and severity of storms in the Baltic Sea in 1991-2015 from satellite altimetry

Kudryavtseva, Nadezhda; 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. 80-81 : ill http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf

Changing properties of wind waves and vessel wakes on the eastern coast of the Baltic Sea = Tuulelainete režiimi ja laevalainete omaduste muutused Läänemere idarannikul

Kelpšaitė, Loreta 2009 <https://digi.lib.ttu.ee/i/?451> https://www.ester.ee/record=b2508681*est

CMEMS Baltic Monitoring and Forecasting Centre : high-resolution wave forecasts in the seasonally ice-covered Baltic Sea [Online resource]

Tuomi, Laura; Vähä-Piikkiö, Olga; Siili, T.; Alari, Victor International Conference Operational Oceanography Serving Sustainable Marine Development : 3-5 October 2017, Bergen, Norway : book of abstracts 2017 / p. 36
http://eurogoos.imr.no/resources/EuroGOOS_Conference_2017_BoA.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

Comparing a 41-year model hindcast with decades of wave measurements from the Baltic Sea

Björkqvist, Jan-Victor; Lukas, Ingvar; Alari, Victor; Männik, Aarne Ocean engineering 2018 / p. 57-71 : ill
<https://doi.org/10.1016/j.oceaneng.2018.01.048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparison of the motions of surface drifters with offshore wind properties in the Gulf of Finland, the Baltic Sea

Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo Estuarine, coastal and shelf science 2016 / p. 154-164 : ill <https://doi.org/10.1016/j.ecss.2016.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Correlation of wind waves and sea level variations on the coast of the seasonally ice-covered Gulf of Finland

Johansson, Milla M.; **Björkqvist, Jan-Victor**; Särkkä, Jani; Leijala, Ulpu; Kahma, Kimmo K. Natural Hazards and Earth System Sciences 2022 / p. 813 - 829 <https://doi.org/10.5194/nhess-22-813-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Corrigendum to “Internal solitary waves control offshore extension of mud depocenters on the NW Iberian shelf” [Mar. Geol. 409 (2019) 15–30] (Marine Geology (2019) 409 (15–30), (S002532271830166X) (10.1016/j.margeo.2018.12.008))

Zhang, Wenyan; **Didenkulova, Irina**; Kurkina, Oxana; Cui, Yongsheng; Haberkern, Julia; Aepfler, Rebecca; Santos, Ana I.; Zhang, Han; Hanebuth, Till J.J. Marine Geology 2019 / p. 21 <https://doi.org/10.1016/j.margeo.2019.01.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Depression waves generated by large ships in the Venice Lagoon

Parnell, Kevin Ellis; Zaggia, Luca; **Soomere, Tarmo**; Lorenzetti, Giuliano; Scarpa, Gian Marco Journal of coastal research 2016 / p. 907-911 : ill <https://doi.org/10.2112/SI75-182.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dispersive effects during long wave run-up on a plane beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Advances in Natural Hazards and Hydrological Risks : Meeting the Challenge : proceedings of the 2nd International Workshop on Natural Hazards (NATHAZ'19), Pico Island—Azores 2019 2019 / p. 143-146 https://doi.org/10.1007/978-3-030-34397-2_28 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Dynamic of tunneled planing hulls in waves

Roshan, Fatemeh; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Journal of marine science and engineering 2022 / art. 1038 : ill <https://doi.org/10.3390/jmse10081038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eestis loodud tehnoloogia muudab merelained reaalseks elektrienergiaks

Ramler, Gerli Inseneeria 2017 / lk. 42-43 : ill https://artiklid.elnet.ee/record=b2812869*est

Effect of asymmetry of incident wave on the maximum runup height

Didenkulova, Irina; Denissenko, Petr; **Rodin, Artem**; Pelinovsky, Efim Journal of coastal research 2013 / p. 207-212 : ill <https://doi.org/10.2112/SI65-036> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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

Erosion by vessel waves

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

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

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

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

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

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

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

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 Sciences 2025 / p. 23-42 : map, ill <https://doi.org/10.3176/proc.2025.1.03>

Extending the observed Baltic Sea wave climate back to the 1940s

Soomere, Tarmo Journal of coastal research 2013 / p. 1969-1974 : ill <https://doi.org/10.2112/si65-333.1> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extreme elevations and slopes of interacting solitons in shallow water

Soomere, Tarmo; Engelbrecht, Jüri Wave motion 2005 / p. 179-192 : ill
<https://www.sciencedirect.com/science/article/abs/pii/S0165212504000812>

Extreme inundation statistics on a composite beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Labart, Celine Water 2020 / art. 1573, 13 p. : ill
<https://doi.org/10.3390/w12061573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extremes and decadal variations in the Baltic Sea wave conditions

Soomere, Tarmo Extreme ocean waves. 2nd ed 2016 / p. 107-140 : ill http://doi.org/10.1007/978-3-319-21575-4_7

Freak waves in the sea coastal zone

Didenkulova, Irina IUGG 2019 : abstract book 2019 / [1] p., abstract: IUGG19-2598 <http://iugg2019montreal.com/abstract-book.html>

Hot-spots of large wave energy resources in relatively sheltered sections of the Baltic Sea coast

Kovaleva, Olga; Eelsalu, Maris; Soomere, Tarmo Renewable and sustainable energy reviews 2017 / p. 424-437 : ill
<https://doi.org/10.1016/j.rser.2017.02.033> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A hybrid numerical model based on FNPT-NS for the estimation of long wave run-up

Manoj Kumar, G.; Sriram, Venkatachalam; **Didenkulova, Irina** Ocean engineering 2020 / art. 107181
<https://doi.org/10.1016/j.oceaneng.2020.107181> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of surface currents and sea level on the wave field evolution during St. Jude storm in the eastern Baltic Sea

Viitak, Marii; Maljutenko, Ilja; Alari, Victor; Suursaar, Ülo; **Rikka, Sander; Lagemaa, Priidik** Oceanologia 2016 / p. 176-186 : ill
<https://doi.org/10.1016/j.oceano.2016.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of surface currents on the wave climate in narrow fjords

Christakos, Konstantinos; **Björkqvist, Jan-Victor;** Breivik, Øyvind; Tuomi, Laura; Furevik, Birgitte R.; Albretsen, Jon Ocean Modelling 2021 / Art. 101894 <https://doi.org/10.1016/j.ocemod.2021.101894> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of the shape of the bay cross section on wave run-up

Didenkulov, Oleg; Didenkulova, Irina; Pelinovsky, Efim N.; Kurkin, Andrey Izvestiya - Atmospheric and Ocean Physics 2015 / p. 661 - 666 <https://doi.org/10.1134/S0001433815060055> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Influence of wind and waves on Lagrangian transport using a synergy of satellite and in-situ surface drifters for Baltic Sea

Delpeche-Ellmann, Nicole Camille; Giudici, Andrea; Soomere, Tarmo; Ellmann, Artu XXVIII General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 <https://doi.org/10.57757/IUGG23-3642>

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](#)

Intriguing interannual variations of sediment transport in the Gulf of Riga

Soomere, Tarmo; Jankowski, Mikolaj Zbigniew; Parnell, Kevin Ellis New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 71-72 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Kiirlaevalainete uuringud võtmene mõrvarlainete ja tsunamide maailma

Soomere, Tarmo Tallinna Tehnikaülikooli aastaraamat 2007 2008 / lk. 84-92 : ill

Kiirlaevalainetest

Soomere, Tarmo Horisont 2012 / lk. 4 https://artiklid.elnet.ee/record=b2489808*est

Kinematic parameters of internal waves of the second mode in the South China Sea

Kurkina, Oxana; Talipova, Tatyana; **Soomere, Tarmo;** Giniyatullin, Ayrat; Kurkin, Andrey Nonlinear processes in geophysics 2017 / p. 645-660 : ill <https://doi.org/10.5194/npg-24-645-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at](#)

Kolm muinaslugu füüsikas

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 359-367 : ill https://www.ester.ee/record=b5521198*est

Laineenergia ja selle kasutamise varjukülgedest Läänemeres

Eelsalu, Maris; Soomere, Tarmo Põlevad ja mittepõlevad energiaallikad = Combustible and non-combustible energy resources 2016 2016 / lk. 16-19 : ill http://ise.elnet.ee/record=b2918095~S2*est

Lainemõõtmise uus tase

Paat & Merendus 2022 / lk. 52-53 : fot http://www.ester.ee/record=b4471304*est

LainePoiss sai Tallinna ettevõtlusauhindade galal eriauhinna

Mente et Manu 2023 / lk. 7 : fot https://www.ester.ee/record=b1242496*est

Limitations and Opportunities for Wave Energy Utilization in the Baltic Sea : the case-study of Estonia

Vidjajev, Nikon; Palu, Riina; Terentjev, Jan; Hunt, Tõnis 21st Annual General Assembly – AGA 2021, Alexandria, Egypt, 26th-28th October 2021 : proceedings of The International Association of Maritime Universities 2021 / p. 638–647 : map <https://aga21.aast.edu/templates/frontend/aga21/ltr/templates/AGA21-Conference-Proceedings.pdf>

Linking changes in the directional distribution of moderate and strong winds with changes in wave properties in the eastern Baltic proper

Soomere, Tarmo; Eelsalu, Maris; Viigand, Katri; Giudici, Andrea Journal of coastal research 2024 / p. 190-194 <https://doi.org/10.2112/JCR-SI113-038.1>

Long wave run-up on plane and “non-reflecting” slopes

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Fluid Dynamics 2018 / p. 402 - 408 <https://doi.org/10.1134/S0015462818030072>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Lummavalt mitmekesised rannad

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 114-116 https://www.ester.ee/record=b5521198*est

Major changes to directional forcing of sediment transport along the eastern Baltic Sea coast

Eelsalu, Maris; Soomere, Tarmo New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 57-58 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

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](#)

Modelling of wave climate and sediment transport patterns at a tideless embayed beach, Pirita Beach, Estonia

Soomere, Tarmo; Kask, Andres; Kask, Jüri; Healy, Terry Journal of marine systems 2008 / Supplement, p. S133-S146 <https://www.sciencedirect.com/science/article/abs/pii/S0924796308002613>

Modelling suitable layout for a small island harbour: A case study of Ruhnu in the Gulf of Riga, eastern Baltic Sea

Männikus, Rain; Wang, W. W.; Eelsalu, Maris; Najafzadeh, Fatemeh; Bihs, H.; Soomere, Tarmo Latvian journal of physics and technical sciences 2024 / p. 3-24 <https://doi.org/10.2478/lpts-2024-0040>

New trends in the analytical theory of long sea wave runup

Didenkulova, Irina Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 265-296 : ill https://link.springer.com/chapter/10.1007/978-3-642-00585-5_14

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Innovations in minimization of natural and technological risks : abstracts of the first Eurasian conference "RISK -2019" : 22 - 24 May 2019, Baku, Azerbaijan 2019 / p. 102 <https://eurasianrisk2020.ge/uploads/RISK-2019/ABSTRACT%20BOOK%20EURASIAN%20RISK-2019.pdf>

Nonlinear dynamics of internal gravity waves in shallow seas = Siselainete mittelineaarne dünaamika madala vee lähenduses

Kurkina, Oxana 2012

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>

A North Sea-Baltic Sea regional coupled models: atmosphere, wind waves and ocean [Online resource]
Staneva, Joanna; Schrum, C.; Behrens, A.; **Alari, Victor** Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 223-231 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

Numerical analysis of shipping water impacting a step structure
Khojasteh, Danial; Tavakoli, Sasan; **Dashtimanesh, Abbas** Ocean Engineering 2020 / art. 107517, 10 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107517> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Nutikas LainePoiss ei pelga ühtegi ookeani
Imeline Teadus 2023 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Nutipoi mõõtis Soome lahel rekordlaine
Imeline Teadus 2023 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Observations of surface drift and effects induced by wind and surface waves in the Baltic Sea for the period 2011–2018
Delpeche-Ellmann, Nicole Camille; Giudici, Andrea; Rätsep, Margus; Soomere, Tarmo Estuarine, coastal and shelf science 2021 / art. 107071, 13 p. : ill., map <https://doi.org/10.1016/j.ecss.2020.107071> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

On the parameters of coastal-trapped topographic waves near the eastern coast of the Baltic Sea
Talpsepp, Lembit Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 1, p. 37-47 : ill

On the possibility of convective overturning in the Ślupsk Furrow overflow of the Baltic Sea
Zhurbas, Victor; Elken, Jüri; Paka, Vadim; Piechura, Jan; Chubarenko, Irina; Väli, Germo; Golenko, Nikolay; Shchuka, Sergey Oceanologia 2011 / p. 771-791 : ill <https://www.sciencedirect.com/science/article/pii/S0078323411500235>

On the variability of the Baltic Sea wave fields
Räämet, Andrus Biodiversity and Functioning of Aquatic Ecosystems in the Baltic Sea Region : Klaipeda, Lithuania 9-12 October 2008 2008

Operational wave height monitoring using navigation buoys and marine radars in the Baltic Sea [Online resource]
Kõuts, Tarmo; Rikka, Sander; Käärmann, Leo; Usk, Aivar Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 157-163 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

Operational wave height monitoring using navigation buoys and marine radars in the Baltic Sea [Online resource]
Kõuts, Tarmo; Rikka, Sander; Käärmann, Leo; Usk, Aivar International Conference Operational Oceanography Serving Sustainable Marine Development : 3-5 October 2017, Bergen, Norway : book of abstracts 2017 / p. 21 http://eurogoos.imr.no/resources/EuroGOOS_Conference_2017_BoA.pdf

Parameterization of run-up characteristics for long bell-shaped solitary waves propagating in a bay of parabolic cross-section
Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2015 / p. 234-239 : ill <https://doi.org/10.3176/proc.2015.3.05> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Peadmurdvate merelainete lahendamise. Läänemeri. Soome laht. Merelainete muster ajas. Inimese ja laine liit
Soomere, Tarmo Keeruka maailma võlu 2015 / lk. 51-58 : ill., kaart https://www.ester.ee/record=b4488344*est

Preface "Sea hazards"
Pelinovsky, Efim N.; **Didenkulova, Ira**; Méndez, Fernando J.; Rybski, Diego; Tinti, Stefano Natural Hazards and Earth System Science 2013 / p. 1063 - 1067 <https://doi.org/10.5194/nhess-13-1063-2013> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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 of the significant wave height in the Baltic Sea by the end of the 21st century
Alari, Victor; Rästas, Henri; 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. 58 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Propagation and run-up of nonlinear solitary surface waves in shallow seas and coastal areas = Pikkade mittelineaarsete lainete dünaamika ja lainerünnak

Rodin, Artem 2015 https://www.ester.ee/record=b4467039*est

Quantification and characterization of mesoscale eddies with different automatic identification algorithms

Viikmäe, Bert; Torsvik, Tomas Journal of coastal research 2013 / p. 2077-2082 : ill <https://doi.org/10.2112/SI65-351> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Quantification of the impact of vessel wakes on a shinglegravel beach

Pindsoo, Katri; Soomere, Tarmo; Eelsalu, Maris; 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. 201 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

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

Refraction may redirect waves from multiple directions into a harbour : a case study in the Gulf of Riga, eastern Baltic Sea

Männikus, Rain; Soomere, Tarmo; Najafzadeh, Fatemeh Estonian journal of earth sciences 2022 / p. 80-88 : ill <https://doi.org/10.3176/earth.2022.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Remote sensing and modelling of wind waves in semi-enclosed seas = Tuulelainete kaugseire ja modelleerimine poolsuletud merealadel

Najafzadeh, Fatemeh 2022 <https://doi.org/10.23658/taltech.64/2022> <https://digikogu.taltech.ee/et/Item/f00ab062-2512-47e0-91c1-c871163f58d2> https://www.ester.ee/record=b5525225*est

Retrieving the signal of climate change from numerically simulated sediment transport along the Eastern Baltic Sea Coast

Soomere, Tarmo; Viška, Maija; Pindsoo, Katri Coastline changes of the Baltic Sea from south to east : past and future projection 2017 / p. 327-361 http://doi.org/10.1007/978-3-319-49894-2_15 http://www.ester.ee/record=b4690805*est

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](#)

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](#)

Spatial variations in the Caspian Sea wave climate in 2002–2013 from satellite altimetry

Kudryavtseva, Nadezhda; Kussembayeva, Kuanysh; Rakisheva, Zaure Bayanovna; Soomere, Tarmo Estonian journal of earth sciences 2019 / p. 225-240 : ill <https://doi.org/10.3176/earth.2019.16> http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2019/issue_4/earth-2019-4-225-240.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Statistics of Lagrangian transport reveals hidden features of velocity fields

Soomere, Tarmo Preventive methods for coastal protection : towards the use of ocean dynamics for pollution control 2013 / p. 283-318 : ill

Surface wave effects on water temperature in the Baltic Sea : simulations with the coupled NEMO-WAM model

Alari, Victor; Staneva, Joanna; Breivik, Øyvind Ocean dynamics 2016 / p. 917-930 : ill <https://doi.org/10.1007/s10236-016-0963-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Swell hindcast statistics for the Baltic Sea

Björkqvist, Jan-Victor; Pärt, Siim; Alari, Victor; Rikka, Sander Ocean Science 2021 / p. 1815-1829 <https://doi.org/10.5194/os-17-1815-2021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tallinnovationilt rahasüsti saanud nutikas merepoi soovib vallutada maailmamerd

digipro.geenius.ee 2024 [Tallinnovationilt rahasüsti saanud nutikas merepoi soovib vallutada maailmamerd](#)

Tarmo Soomere

Siil, Virgo Teadlane miiniväljal : lähen ütlen tihastele, et teeme nüüd uuesti 2019 / lk. [236]-247 : portr., ill https://www.ester.ee/record=b5245221*est

Teadur: kiirlaevade marsruute ja kiirust Tallinna lahel tuleb muuta : [intervjuu TTÜ Küberneetika Instituudi teaduri Tarmo Soomerega]

Käärt, Ulvar; **Soomere, Tarmo** Eesti Päevaleht 2006 / lk. 10 <https://epl.delfi.ee/artikkel/51038116/teadur-kiirlaevade-marsruute-ja-kiirust-tallinna-lahel-tuleb-muuta>

Tehnikaülikooli teadlaste uus mudel prognoosib täpselt Läänemere lainekõrgust ja -suunda

teadus.postimees.ee 2022 [Tehnikaülikooli teadlased...](#)

Tehnogeensed lained Tallinna lahel

Pöder, Reio Tartu Ülikooli Ilmade Observatooriumi 140. juubeli konverentsi ettekanded 2006 / lk. 93-96 : ill https://artiklid.elnet.ee/record=b1060039*est

Temporal and spatial changes of joint influence of waves and water levels in the Eastern Baltic Sea

Männikus, Rain; Viigand, Katri; Soomere, Tarmo Journal of coastal research 2024 / p. 986-990 <https://doi.org/10.2112/JCR-SI113-193.1>

Temporal scale for nearshore of current-driven pollution in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo; Torsvik, Tomas 8th International Workshop on Modeling the Ocean (IWMO 2016) : Bologna, Italy, June 07-10, 2016 : book of abstracts 2016 / p. 23-25

Temporal scales for nearshore hits of current-driven pollution in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo Marine pollution bulletin 2016 / p. 77-86 : ill <https://doi.org/10.1016/j.marpolbul.2016.03.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transformation of internal breathers in the idealised shelf sea conditions

Rouvinskaya, Ekaterina; Talipova, Tatyana; Kurkina, Oxana; **Soomere, Tarmo**; Tyugin, Dmitry Continental shelf research 2015 / p. 60-71 <https://doi.org/10.1016/j.csr.2015.09.017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Trends and extremes of wave fields in the north-eastern part of the Baltic Proper

Broman, Barry; Hammarklint, Thomas; **Rannat, Kalev; Soomere, Tarmo**; Valdmann, Ain Oceanologia 2006 / p. 165-184 : ill https://www.researchgate.net/publication/26472656_Trends_and_extremes_of_wave_fields_in_the_north-eastern_part_of_the_Baltic_Prope

Tulevikus võib väikesaarte elektrivarustus tulla merelainetest [Võrguväljaanne]

Hellerma, Juhan novaator.err.ee 2022 ["Tulevikus võib väikesaarte elektrivarustus tulla merelainetest "](#)

Untangling the waves: decomposing extreme sea levels in a non-tidal basin, the Baltic Sea

Lorenz, Marvin; **Viigand, Katri**; Gräwe, Ulf Natural Hazards and Earth System Sciences 2025 / p. 1439-1458 <https://doi.org/10.5194/nhess-25-1439-2025>

Uudne nutikas poi aitab uurida merejää ja lainetuse vastasmõju

Alari, Victor Horisont 2023 / lk. 24-28 : fot https://www.ester.ee/record=b1072243*est

Uus mudel prognoosib Läänemere lainete käitumist

Imeline Teadus 2022 / lk. 20 : ill https://www.ester.ee/record=b2747925*est

Wake waves of a planing boat : an experimental model

Tavakoli, Sasan; Shaghagh, Poorya; Mancini, Simone; De Luca, Fabio; **Dashtimanesh, Abbas** Physics of Fluids 2022 / Art. nr. 037104 <https://doi.org/10.1063/5.0084074> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Validating WAM, SWAN and WAVEWATCH III in the Helsinki archipelago

Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; **Alari, Victor**; Kuznetsova, Alexandra; Tuomi, Laura Abstracts : [BSSC 2019] 2019 / p. 135 https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Validation of multi-mission satellite altimetry for the Baltic Sea region

Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea Geophysical research abstracts 2016 / p. EGU2016-5571

Variations in the wave climate of the Baltic Sea in the last 25 years from satellite altimetry

Kudryavtseva, Nadezhda; Soomere, Tarmo Geophysical research abstracts 2016 / p. EGU2016-5589

Wave climate and its decadal changes in the Baltic Sea derived from visual observations = Läänemere lainekliima ja selle muutlikkus visuaalsete lainevaatluste alusel
Zaitseva-Pärnaste, Inga 2013

Wave climate changes in the Baltic Proper 1978-2007

Räämet, Andrus; Soomere, Tarmo 4th International student conference "Biodiversity and Functioning of Aquatic Ecosystems in the Baltic Sea Region" : 2-4 October 2009, Dubingiai, Lithuania 2009 / p. 17

Wave height measurement as a secondary function of navigational buoys

Moorits, Erkki; Usk, Aivar; Kõuts, Tarmo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK kuuenda aastakonverentsi artiklite kogumik : 3.-5. oktoobril 2012, Laulasmaa 2012 / p. 53-57 : ill

Weakly reflecting waves in narrow bays

Didenkulova, Irina; Pelinovsky, Efim BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 184

Veel üks roheenergia allikas : kuidas toota elektrit merelainetest?

digi.geenius.ee 2022 [Veel üks roheenergia allikas : kuidas toota elektrit merelainetest?](#)

Высота волн в западной части Балтийского моря увеличивается на 5 мм в год

Kudryavtseva, Nadezhda rus.delfi.ee 2021 [Высота волн в западной части Балтийского моря увеличивается на 5 мм в год](#)

Динамика гравитационных потоков и длинных волн в жидкости : с приложениями к морским природным катастрофам

Nikolkina, Irina; Pelinovsky, Efim 2012 <https://publications.hse.ru/books/52019480>

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>