

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

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

Armour units of rubble mound breakwaters

Männikus, Rain TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 13-14

Attribution of alterations in coastal processes in the southern and eastern Baltic Sea to climate change-driven modifications of coastal drivers

Eelsalu, Maris; Soomere, Tarmo; Parnell, Kevin Ellis; Viška, Maija Oceanologia 2025 / art. 67103 <https://doi.org/10.5697/LXTZ5389>

CCB recommendations on Baltic coastal management

2012 https://www.ester.ee/record=b2894840*est

Climate change driven alongshore variations of directional forcing of sediment transport on the eastern Baltic Sea coast

Eelsalu, Maris; Soomere, Tarmo; Jankowski, Mikolaj Zbigniew Journal of coastal research 2024 / p. 256-260
<https://doi.org/10.2112/JCR-SI113-051.1>

Coastal processes in the Eastern Gulf of Finland - possible driving forces and the connection with nearshore development

Ryabchuk, Daria; Sukhacheva, Leontina; Spiridonov, Mikhail; Zhamoida, Vladimir; Kurennoy, Dmitry Estonian journal of engineering 2009 / 3, p. 151-167 : ill

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 zone management of Estonian coast

Liiv, Toomas; Cederwall, Klas With rivers to the sea : Interaction of Land Activities, Fresh Water and Enclosed Coastal Seas : joint conference, 10-15 August 1997, Stockholm, Sweden : abstracts 1997 / p. 384-386

Coastal zone management of Estonian coast

Liiv, Toomas; Cederwall, Klas Proceedings of the VII Stockholm Water Symposium, Stockholm, 13-16 August, 1997 1998 / [7] p

Coastal vulnerability of the eastern Baltic Sea with respect to extreme minima of sea level

Viigand, Katri; Eelsalu, Maris; Soomere, Tarmo New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 78-79 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Comparison of the wave power for the open and sheltered segments of the Baltic Sea coast

Kovaleva, Olga; Soomere, Tarmo; Eelsalu, Maris 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. 210 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Contribution of fundamental research towards solving challenges of changing times in coastal science and management

Soomere, Tarmo Research in Estonia : present and future 2011 / p. 206-226 : ill

Criteria for the transition from a breaking bore to an undular bore

Pelinovsky, Efim; Shurgalina, Ekaterina; Rodin, Artem Izvestiya, atmospheric and oceanic physics 2015 / p. 530-533 : ill
<https://doi.org/10.1134/S0001433815050096> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Doktoritöö heidab valgust Läänemere ja selle ranniku tangole [Võrguväljaanne]

Oldermaa, Jaan-Juhan; Eelsalu, Maris novaator.err.ee 2020 / fot [Doktoritöö heidab valgust Läänemere ja selle ranniku tangole](#)

Ecological economics as a tool for resource based nature conservation management in Estonia

Ehrlich, Üllas 2007 <http://dspace.ut.ee/handle/10062/2359> https://www.ester.ee/record=b2247893*est

Eddy formation behind a coastal cape in a flow generated by transient longshore wind (Numerical experiments)

Zhurbas, Victor; Kuzmina, N.P.; Lyzhkov, D.A. Oceanology 2017 / p. 350-359 : ill <https://doi.org/10.1134/S0001437017020229> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Eesti tunneb puudust rannikuekspertidest

Soomere, Tarmo Äripäev 2006 / 4. mai, Tööstus, lk. 59

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](#)

Estimation of coastal dunes recession rate in the Russian part of the Curonian Spit

Kovaleva, Olga; Chubarenko, Boris; Ryabchuk, Daria 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. 2013 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Evaluating coastal vulnerability by temporal and spatial variation of parameters of the GEV distribution along the Baltic Sea coast

Viigand, Katri; **Eelsalu, Maris**; **Soomere, Tarmo** Journal of coastal research 2024 / p. 996-1000 <https://doi.org/10.2112/JCR-SI113-195.1>

Examining the performance of satellite altimetry along track sea level data for Sentinel-6, Jason3 and Sentinel-3

Heinoja, Lenne-Liisa; **Delpeche-Ellmann, Nicole Camille**; **Ellmann, Artu** Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 24 I. <https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

Geomorphic metrics for implementing a "rights of nature" approach to coastal management

Parnell, Kevin Ellis; **Soomere, Tarmo** Journal of coastal research 2024 / p. 38-42 <https://doi.org/10.2112/JCR-SI113-008.1>

High-resolution wave model for coastal management and engineering in the eastern Baltic Sea

Giudici, Andrea; **Männikus, Rain**; **Najafzadeh, Fatemeh**; **Jankowski, Mikolaj Zbigniew**; **Soomere, Tarmo**; Suursaar, Ülo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : conference proceedings 2022 / p. 150-151 : ill https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

In search for suitable parameters quantifying the contribution of water level variations into coastal vulnerability index of microtidal seas

Soomere, Tarmo; **Barzehkar, Mojtaba**; **Parnell, Kevin Ellis** New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 116-117 https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf

Incorporating a machine learning approach as an established decision support system for coastal vulnerability in the Eastern Baltic Sea

Barzehkar, Mojtaba; **Parnell, Kevin Ellis**; **Soomere, Tarmo** Journal of coastal research 2024 / p. 58-62 <https://doi.org/10.2112/JCR-SI113-012.1>

Initial adjustment of underwater profiles after nourishment in a mild wave climate : a case study near Klaipėda, the Baltic Sea

Šakurova, Ilona; Kondrat, Vitalijus; Baltranaite, Egle; Gardauske, Vita; Kelpšaitė-Rimkienė, Loreta; **Soomere, Tarmo**; **Parnell, Kevin Ellis** Estonian journal of earth sciences 2025 / p. 22 - 33 <https://doi.org/10.3176/earth.2025.02>

An integrated approach to coastal and biological observations

She, Jun; Piniella, Ángel Muñoz; Benedetti-Cecchi, Lisandro; Boehme, Lars; Boero, Ferdinando; Christensen, Asbjorn; Crowe, Tasman; Darecki, Mirosław; Nogueira, Enrique; Gremare, Antoine; Hernandez, Francisco; **Kõuts, Tarmo** Frontiers in Marine Science 2019 / Art. nr. 314 <https://doi.org/10.3389/fmars.2019.00314> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kilpkonnarannik Türgis

Talts, Mait Lemmik 2008 / 9, lk. 36-37 https://artiklid.elnet.ee/record=b2079063*est

Lained lammutavad randu, kuid suurt veeuputust veel karta pole [Võrguteavik]

Liiviste, Priit pealinn.ee 2021 ["Lained lammutavad randu, kuid suurt veeuputust veel karta pole"](https://pealinn.ee/2021/07/20/lained-lammutavad-randu-kuid-suurt-veeuputust-veel-karta-pole/)

Lainetus ja setete transport sadamates ning rannajoonel

Liiv, Uno Mereuuringud ja nende rakendused : Eesti Teaduste Akadeemia seminari materjalid : 23.03.2001 2001 / lk. 19-22 : ill

Lithohydrodynamic processes in the Tallinn Bay area = Litohüdrodünaamilised protsessid Tallinna lahe piirkonnas
Kask, Andres 2009 https://www.ester.ee/record=b2508627*est

Integrating multi-criteria decision analysis and GIS for coastal vulnerability assessment : a case study in Estonia, Eastern Baltic Sea
Barzehkar, Mojtaba; Parnell, Kevin Ellis; Soomere, Tarmo Nordic Geographers Meeting (NGM) : book of abstracts 2024 / p. 251
http://ngm2024.com/wp-content/uploads/2024/06/NGM_Book_of_Abstracts_Final_New.pdf

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/5bec_proceedings.pdf

Monitoring of heavy metals in the coastal area
Hödrejärvi, Helvi; Ott, Roman Environmental contamination : 3rd international conference, Venice, September 1988 1988 / p. 541-543

Multi-scale analysis of wave conditions and coastal changes in the north-eastern Baltic Sea
Suursaar, Ülo; Alari, Victor; Tõnisson, Hannes Journal of coastal research 2014 / p. 223-228 : ill <https://doi.org/10.2112/SI70-038.1>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear wave run-up in bays of arbitrary cross-section : generalization of the Carrier–Greenspan approach
Rybkin, Alexei; Pelinovsky, Efim; Didenkulova, Irina Journal of fluid mechanics 2014 / p. 416-432 : ill <https://doi.org/10.1017/jfm.2014.197>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nähtav transport ja nähtamatud tökked Läänemere idarannikul
Soomere, Tarmo Meri 2016 / lk. 15-23 https://artiklid.elnet.ee/record=b2818112*est

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

Paleoreconstruction of the Baltic Ice Lake in the eastern Baltic
Vassiljev, Jüri; Saarse, Leili; Rosentau, Alar BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 113

Pögenemine üle Soome lahe : inimeste salavedu Eestist Soome 1940-1944
Haapanen, Eero 2022 https://www.ester.ee/record=b5527885*est

Quantification of changes in the beach volume by applying an inverse Bruun's Rule and laser scanning technology in Pirita Beach, Tallinn Bay
Eelsalu, Maris; Soomere, Tarmo; Julge, Kalev Climate modelling and impacts from the global to the regional to the urban scale : an international scientific seminar at HafenCity University Hamburg, 10 March 2015 : poster abstracts 2015 / p. 8

Quantification of the evolution of a small beach applying laser scanning technology
Eelsalu, Maris; Julge, Kalev; Soomere, Tarmo; Grünthal, Erko Baltic Earth - Gulf of Finland Year 2014 Modelling Workshop : Modelling as a tool to ensure sustainable development of the Gulf of Finland-Baltic Sea ecosystem : Finnish Environment Institute SYKE, Helsinki, 24-25 November 2014 : Programme, abstracts, participants 2014 / p. 10

Quantification of the reaction of Estonian beaches to changing wave loads = Eesti rannikute reaktsioon muutuvatele lainekoormustele
Eelsalu, Maris 2020 https://www.ester.ee/record=b5368081*est <https://digikogu.taltech.ee/et/Item/f73e001a-2f7c-4832-a4b0-ea10a4894ab6>

Rahvusvaheliselt tunnustatud teadlased uurivad Saaremaa rannikuid : [TTÜ korraldatud suvekoolist "Rannikud ja rannikuprotsessid"]
Aus, Annes Meie Maa 2007 / 24. aug., lk. 3

Rannad kujunevad ümber nädalate või isegi päevadega
Soomere, Tarmo Meie Maa 2015 / lk. 5

Realistic coastal dynamic topography by a synergy of satellite altimetry data and marine geoid
Ellmann, Artu; Jahanmard, Vahidreza; Varbla, Sander; Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille Living Planet Symposium (LPS22) 2022 / 1 p <https://www.lps22.eu/>

Responses of coastal processes to multiple drivers in the Baltic Sea region [Online resource]
Soomere, Tarmo 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. 26 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Sandy beach evolution in the low-energy microtidal Baltic Sea : attribution of changes to hydrometeorological forcing
Eelsalu, Maris; Parnell, Kevin Ellis; Soomere, Tarmo Geomorphology 2022 / art. 108383
<https://doi.org/10.1016/j.geomorph.2022.108383> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Satellite altimetry performance verified to enhanced hydrodynamic model of the Baltic Sea
Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Living Planet Symposium (LPS22) 2022 / 1 p
<https://www.lps22.eu/>

Simulated wave-driven sediment transport along the eastern coast of the Baltic Sea
Soomere, Tarmo; Viška, Maija Journal of marine systems 2014 / p. 96-105 : ill <https://doi.org/10.1016/j.jmarsys.2013.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Some aspects of coastal engineering problems in Estonia
Liiv, Uno Nordic Hydrological Conference 1996, Akureyri, Iceland, 13-15 August 1996 : [proceedings]. Vol. 2 1996 / p. 699-707: ill

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

A spatially extensive validation of three different wave models in the Helsinki coastal archipelago
Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; Tuomi, Laura; Alari, Victor 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. 10
https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf

Special Issue : Coast and Society. Journal of Coastal Conservation
2019 <https://link.springer.com/journal/11852/23/4>

Systematic analysis of alongshore sediment transport patterns in varying sea level conditions for evaluating stability of the coastal areas in the microtidal Baltic Sea
Eelsalu, Maris; Viigand, Katri; Soomere, Tarmo; Parnell, Kevin Ellis Journal of coastal research 2024 / p. 53-57
<https://doi.org/10.2112/JCR-SI113-011.1>

Tallinna geoloogia = Geology of Tallinn
2010 https://www.ester.ee/record=b2634906*est

Tallinna sarase geoloogias ja rannajoone muutustest Holotseenis
Saarse, Leili; Vassiljev, Jüri Muinas-Tallinna otsimas 2019 / lk. 90-105 : ill https://www.ester.ee/record=b5232100*est

Teadusmõte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik]
2011 https://www.ester.ee/record=b2728494*est

The BalticWay Project : the use of currents for environmental management of the Baltic Sea coasts
Quak, Ewald; Soomere, Tarmo BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 99

The changing landscapes of transitional economies : the Estonian coastal zone
Kull, Ain; Idavain, Jane; Kull, Anne; Oja, Tõnu; Ehrlich, Üllas; Mander, Ülo Multifunctional land use : meeting future demands for landscape goods and services 2007 / p. 327-340 : ill

The potential import of heavy metal concentrations in the waters of the southern Gulf of Finland on Baltic herring stocks
Palm, Toivo Finnish fisheries research : the journal of Finnish Game and Fisheries Research Institute, Fisheries Division 1975 / p. 71-76 https://www.ester.ee/record=b3447025*est

The water quality forecasting in coastal recreation zones
Mairanovsky, F.G.; Sapova, N.O.; Krashennikova, T.D. Theses of the reports of the VIII Symposium Concerning the Problems of Waterbodies Water Quality, Tallinn, Oct. 23-25, 1990 1990 / p. 48-50

Tourism versus real estate development : a contingent valuation study of Estonian coast
Reimann, Mart; Ehrlich, Üllas; Tõnisson, Hannes Recent Researches in Tourism and Economic Development : Proceedings of the 1st International Conference on Tourism and Economic Development (TED '11), University Center Drobeta Turnu Severin, Romania, October 27-29, 2011 2011 / p. 240-245

Towards implementing water level variations into coastal vulnerability index in microtidal seas

Soomere, Tarmo; Bagdanaviciute, Ingrida; **Barzehkar, Mojtaba**; **Parnell, Kevin Ellis** Journal of coastal research 2024 / p. 48-52
<https://doi.org/10.2112/JCR-SI113-010.1>

Transformation of an irregular wave field along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill
<https://doi.org/10.3176/proc.2013.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Two high value geoheritage sites on Sõrve Peninsula (Saaremaa Island, Estonia): a window to the unique Late Silurian fauna

Vinn, Olev; Wilson, Mark A.; Isakar, Mare; **Toom, Ursula** Geoheritage 2024 / art. 53, 15 p. : ill <https://doi.org/10.1007/s12371-024-00957-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

О возможном влиянии тяжелых металлов на воспроизводство промысловых запасов балтийской сельди в прибрежной зоне моря Эстонской ССР

Palm, Toivo Eesti NSV Teaduste Akadeemia toimetised. Bioloogia = Известия Академии наук Эстонской ССР. Биология = Proceedings of Academy of Sciences of the Estonian SSR. Biology 1985 / с. 267-273 : рис https://www.ester.ee/record=b1249384*est
<https://www.etera.ee/zoom/12031/view?page=1&p=separate&tool=info>