

Aeolian activity on the northern coast of Lake Peipsi, North-Eastern Estonia

Ratas, Urve; Raukas, Anto; Rivis, Reimo; **Tavast, Elvi** Journal of Coastal Research 2015 / p. 25-35

<https://doi.org/10.2112/JCOASTRES-D-12-00231.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

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>

A big wave at Pouto, Kaipara Harbour, New Zealand

Parnell, Kevin Ellis Journal of Coastal Research 2020 / p. 291-294 <https://doi.org/10.2112/JCR-SI101-053.1> [Journal metrics at Scopus](#)

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

Channel maintenance planning in Estonia

Utso, Maarius; Zaitseva-Pärnaste, Inga; **Parnell, Kevin Ellis** Journal of coastal research 2024 / p. 95–99

<https://doi.org/10.2112/JCR-SI113-019.1>

Characteristic properties of different vessel wake signals

Didenkulova, Irina; Sheremet, Alex; **Torsvik, Tomas**; **Soomere, Tarmo** Journal of coastal research 2013 / p. 213-218 : ill

<https://doi.org/10.2112/SI65-037> <https://bioone.org/journals/journal-of-coastal-research/volume-65/issue-sp1/SI65-037.1/Characteristic-properties-of-different-vessel-wake-signals/10.2112/SI65-037.1.short> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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 flooding: Joint probability of extreme water levels and waves along the Baltic Sea coast

Kudryavtseva, Nadezhda; Räämet, Andrus; **Soomere, Tarmo** Journal of coastal research 2020 / p. 1146-1151

<https://doi.org/10.2112/SI95-222.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of 3D model generation using Structure-from-Motion by open-source software and validation with LiDAR for revealing changes in eroding coastal cliffs

Zaitseva-Pärnaste, Inga; Hermann, Heiko Journal of coastal research 2024 / p. 1054-1058 <https://doi.org/10.2112/JCR-SI113-206.1>

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](#)

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/SI95-243.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of asymmetry of incident wave on the maximum runoff 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](#)

Energy pollution : the relative influence of wind-wave and vessel-wake energy in Tallinn Bay, the Baltic Sea

Kelpšaitė, Loreta; **Parnell, Kevin Ellis**; **Soomere, Tarmo** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 812-816 : ill

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 (SWOT) sea level data in the coastal areas of the Baltic Sea

Kupavõh, Aleksei; Delpeche-Elmann, Nicole Camille; **Elmann, Artu**; **Soomere, Tarmo** Journal of coastal research 2024 / p.

534-538 <https://doi.org/10.2112/JCR-SI113-105.1>

Experimental statistics of long wave runoff 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/SI65-034.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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](#)

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/SI70-039.1>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Identification of areas of frequent patch formation from velocity fields

Giudici, Andrea; Soomere, Tarmo Journal of coastal research 2013 / p. 231-236 : ill <https://doi.org/10.2112/SI65-040> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Implications of fast-ferry wakes for semi-sheltered beaches : a case study at Aegna Island, Baltic Sea

Soomere, Tarmo; Parnell, Kevin Ellis; Didenkulova, Irina Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 128-132 : ill <https://www.jstor.org/stable/25737551>

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>

Joint impact of currents and winds on the patch formation near the coasts of the Gulf of Finland

Giudici, Andrea; Kalda, Jaan; Soomere, Tarmo Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 1156 - 1160 <https://doi.org/10.2112/SI85-232.1>
<https://www.jcronline.org/doi/abs/10.2112/SI85-232.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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-term changes of waves at the German Baltic Sea coast: Are there trends from the past?

Dreier, Norman; Männikus, Rain; Fröhle, Peter Journal of coastal research 2020 / p. 1416-141621 <https://doi.org/10.2112/SI95-274.1>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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; Ravis, 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](#)

Measurements of long waves in Port of Klaipėda, Lithuania

Kelpšaitė-Rimkienė, Loreta; Soomere, Tarmo; Bagdanavičiute, Ingrida Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 761–765 : ill <http://doi.org/10.2112/SI85-153.1>
<https://www.jcronline.org/doi/pdf/10.2112/SI85-153.1>

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](#)

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](#)

Non-stationary modeling of trends in extreme water level changes along the Baltic Sea coast

Kudryavtseva, Nadezhda; Pindsoo, Katri; Soomere, Tarmo Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 586-590 <https://doi.org/10.2112/SI85-118.1> [Conference](#)

Past extreme events recorded in the internal architecture of coastal formations in the Baltic Sea Region

Vilumaa, Kadri; Tõnisson, Hannes; Sugita, Shinya; **Molodkov, Anatoli** Journal of coastal research 2016 / p. 775-779

<https://doi.org/10.2112/SI75-156.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Possible presence of shear instabilities at steep slopes during an upwelling event in the Gulf of Finland, Baltic Sea

Delpeche-Ellmann, Nicole Camille; Soomere, Tarmo Journal of coastal research Proceedings of the 15th International Coastal Symposium, Haeundae, Busan, 13-18 May 2018 2018 / p. 481–485 <https://doi.org/10.2112/SI85-097.1>

<https://www.jcronline.org/doi/abs/10.2112/SI85-097.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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](#)

Properties of in-situ Lagrangian surface drifters and the relationship with Stokes drift in the Baltic Sea

Delpeche-Ellmann, Nicole Camille; Giudici, Andrea Journal of coastal research 2024 / p. 417-421 <https://doi.org/10.2112/JCR-SI113-082.1>

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](#)

Rapid estimate of sediment loss for "almost equilibrium" beaches

Kask, Andres; **Soomere, Tarmo**; Healy, Terry; Delpeche, Nicole Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume II, p. 971-975 : ill <https://www.jstor.org/stable/25737931>

Rapidly transforming Holocene strandplain, affected by port jetty and hydroclimatic shifts – natural laboratory of past and future shoreline behavior

Tõnisson, Hannes; Luik, Katre; Suursaar, Ülo; Buynevich, Ilya; Kont, Are; **Männikus, Rain**; Ravis, Reimo; Suuroja, Sten; Vilumaa, Kadri Journal of coastal research 2024 / p. 715–719 <https://doi.org/10.2112/JCR-SI113-141.1>

Reconsidering uncertainties of wave conditions in the coastal areas of the northern Baltic Sea

Räämet, Andrus; Suursaar, Ülo; Kullas, Tiit; **Soomere, Tarmo** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 257-261 : ill

Regional and local variability in coastal processes in Torres Strait, Australia, and its importance for climate change planning

Parnell, Kevin Ellis; Smithers, Scott G. Journal of coastal research 2020 / p. 616-620 <https://doi.org/10.2112/SI95-120.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regional differences in recreational preferences of Estonian coastal landscapes

Reimann, Mart; **Ehrlich, Üllas**; Tõnisson, Hannes Journal of coastal research 2014 / p. 420-425 : ill <https://doi.org/10.2112/SI70-071.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Seasonal and long-term variations of wave conditions in the northern Baltic Sea

Zaitseva-Pärnaste, Inga; Suursaar, Ülo; Kullas, Tiit; Lapimaa, Sirje; **Soomere, Tarmo** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 277-281 : ill

Shoaling and runup of long waves induced by high-speed ferries in Tallinn Bay

Didenkulova, Irina; Parnell, Kevin Ellis; **Soomere, Tarmo**; Pelinovsky, Efim; **Kurennoy, Dmitry** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 491-495 : ill

Simulation of wave damping near coast due to offshore wind farms

Alari, Victor; Raudsepp, Urmas Journal of coastal research 2012 / p. 143-148 : ill <https://bioone.org/journals/Journal-of-Coastal-Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-Wind/10.2112/JCOASTRES-D-10-00054.1.short>

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>

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>

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>

Three-dimensional tsunami runup simulation for the port of Koborinai on the Sanriku coast of Japan

Kim, Dong Chule; Kim, Kyeong Ok; Pelinovsky, Efim; Didenkulova, Irina; Choi, Byung Ho Journal of coastal research 2013 / p. 266-

271 : ill <https://doi.org/10.2112/SI65-046> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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>

Underwater experiments and a theoretical model – case study in Tallinn Bay

Erm, Ants; Buschmann, Fred; Listak, Madis; Rebane, Jaan; Toming, Gert Journal of coastal research 2013 / p. 1521-1526 : ill

<https://doi.org/10.2112/SI65-257> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Using Lagrangian models to assist in maritime management of Coastal and Marine Protected Areas

Delpeche, Nicole; Soomere, Tarmo Journal of coastal research 2013 / p. 36-41 : ill <https://doi.org/10.2112/SI65-007> [Conference](#)

[Proceedings at Scopus](#) [Article at Scopus](#)

Utilizing airborne laser scanning and geoid model for near-coast improvements in sea surface height and marine dynamics

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Journal of coastal research 2020 / p. 1339-1343

<https://doi.org/10.2112/SI95-257.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Wave climate in Lake Peipsi

Nikolkina, Irina; Soomere, Tarmo; Didenkulova, Irina Journal of coastal research 2013 / p. 2035-2040 : ill

<https://doi.org/10.2112/SI65-344> [Conference Proceedings at Scopus](#) [Article at Scopus](#)