

An alternative parameterization of eddy diffusivity in the Gulf of Finland based on the kinetic energy of high frequency internal wave band

Lilover, Madis-Jaak; Stips, Adolf Konrad Boreal environment research 2011 / p. 103-116 : ill
<https://helda.helsinki.fi/server/api/core/bitstreams/f776892d-9905-43b6-931b-6f8f5f533b2b/content>

Blockage of saline intrusions in restricted, two-layer exchange flows across a submerged sill obstruction

Cuthbertson, Alan; **Laanearu, Janek**; Carr, Magda; Sommeria, Joel; Viboud, Samuel Environmental fluid mechanics 2018 / p. 27-57 : ill <https://doi.org/10.1007/s10652-017-9523-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Compressibility of surface flows under the combined effect of currents and winds

Giudici, Andrea; **Kalda, Jaan**; **Soomere, Tarmo** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 47 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

Effects of Eulerian current, Stokes drift and wind while simulating surface drifter trajectories in the Baltic Sea

Pärm, Ove; Davulienė, Lina; Macias, Diego Moy; **Vahter, Kaimo**; Stips, Adolf; Torsvik, Tomas Oceanologia 2023 / p. 453-465
<https://doi.org/10.1016/j.oceano.2023.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of wave-induced forcing on a circulation model of the North Sea

Staneva, Joanna; **Alari, Victor**; Breivik, Øyvind; Bidlot, Jean-Raymond; Mogensen, Kristian Ocean dynamics 2017 / p. 81-101 : ill
<https://doi.org/10.1007/s10236-016-1009-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhanced turbulence driven by mesoscale motions and flow-topography interaction in the Denmark Strait Overflow plume

Schaffer, Janin; Kanzow, Torsten; **Zhurbas, Victor** Journal of geophysical research. Oceans 2016 / p. 7650-7672 : ill
<https://doi.org/10.1002/2016JC011653> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Euroopat kütvate hoovuste tulevikku varjutab katastroofilumm

Reimann, Andres novaator.err.ee 2024 [Euroopat kütvate hoovuste tulevikku varjutab katastroofilumm](#)

Experimental studies of internal and near-bed dynamics of restricted exchange flows [Electronic resource]

Carr, Magda; Cuthbertson, Alan; **Laanearu, Janek**; Sommeria, Joel; Kean, Jonathan; **Lilover, Madis-Jaak**; **Kollo, Monika**; Berntsen, Jarle; Thiem, Øyvind; Viboud, Samuel E-proceedings of the 36th IAHR World Congress : 28 June - 3 July, 2015, The Hague, the Netherlands 2015 / p. 1-4 : ill

A first look to Lagrangian coherent structures in the Gulf of Finland as a meanto identify hotspots of surface particle aggregation

Giudici, Andrea; Suara, Kabir Adewale; **Soomere, Tarmo**; Brown, Richard J. 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. 97-98 : ill ["proceedings"](#)

Gravity currents in rotating, wedge-shaped, adverse channels

Cuthbertson, Alan; Lundberg, Peter; Davies, Peter A.; **Laanearu, Janek** Environmental fluid mechanics 2014 / p. 1251-1273 : ill
<https://doi.org/10.1007/s10652-013-9285-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heitliku meelega beib kukub tujutsema . [hoovustest]

Kallis, Ain Maaleht 2016 / lk. 52 <https://maaleht.delfi.ee/artikkel/76444771/heitliku-meelega-beib-kukub-tujutsema>

Hoovused ja settekivimid Ordoviitsiumi ja Vara-Siluri Balti basseinis

Kiipli, Enli; **Kallaste, Toivo**; **Kiipli, Tarmo** Teadusmõte Eestis (VI). Elu- ja maateadused : [artiklikogumik] 2011 / lk. 145-149 : ill

Igavene talv : [vastus küsimusele]

Keevallik, Sirje Miks seisavad kured ühe jala peal? Ja veel 100 huvitavat küsimust 2010 / lk. 78-79

Impact of coastal currents and eddies on particle dispersion in the Baltic Sea: a Lagrangian approach to marine ecosystems

Hariri, Saeed; **Väli, Germa**; **Meier, H. E. Markus** Frontiers in marine science 2025 / 12 p <https://doi.org/10.3389/fmars.2025.1545035>
<https://www.frontiersin.org/journals/marine-science/articles/10.3389/fmars.2025.1545035/full>

Linkage between the vertical stratification and current oscillations in the Gulf of Finland

Suhhova, Irina; **Liblik, Taavi**; **Lilover, Madis-Jaak**; **Lips, Urmas** The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 244 https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf

Läänemere kukkunud lennuk jätab mereelukad puutumata [Võrguväljaanne]

Saar, Sandra novaator.err.ee 2022 [Läänemere kukkunud lennuk jätab mereelukad puutumata](#)

Material and debris transport patterns in Moreton Bay, Australia : the influence of Lagrangian coherent structure

Suara, Kabir Adewale; Khanarmuei, Mohammadreza; Ghosh, Anusmriti; Yu, Yingying; Zhang, Hong; **Soomere, Tarmo**; Brown, Richard J. Science of the total environment 2020 / art. 137715 <https://doi.org/10.1016/j.scitotenv.2020.137715> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A modified Ekman layer model

Heinloo, Jaak; Toompuu, Aleksander Estonian journal of earth sciences 2011 / p. 123-129 : ill <https://doi.org/10.3176/earth.2011.2.06> https://www.researchgate.net/publication/228834770_A_modified_Ekman_layer_model

On the finite-time compressibility of the surface currents in the Gulf of Finland, the Baltic Sea

Kalda, Jaan; Soomere, Tarmo; Giudici, Andrea Journal of marine systems 2014 / p. 56-65 : ill <https://doi.org/10.1016/j.jmarsys.2012.08.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the nature of low-frequency currents over a shallow area of the southern coast of the Gulf of Finland

Lilover, Madis-Jaak; Pavelson, Juss; Kõuts, Tarmo Journal of marine systems 2014 / p. 66-75 : ill <https://doi.org/10.1016/j.jmarsys.2013.06.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Patchiness of the sea surface under the combined effects of winds and currents

Giudici, Andrea; Soomere, Tarmo; Kalda, Jaan 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. 20 https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf

Spatial pattern of current-driven hits to the nearshore from a major marine fairway in the Gulf of Finland

Viikmäe, Bert; Soomere, Tarmo Journal of marine systems 2014 / p. 106-117 : ill <https://doi.org/10.1016/j.jmarsys.2013.06.014> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A Surrogate model for daily sea surface current fields prediction using CNN-UNET

Barzandeh, Amirhossein; Maljutenko, Ilja; Rikka, Sander; Raudsepp, Urmas EGU General Assembly 2025 2025 / art. EGU25-16890 <https://meetingorganizer.copernicus.org/EGU25/EGU25-16890.html> <https://doi.org/10.5194/egusphere-egu25-16890>

Villu Astok - mereteadlane, kes uuris hoovuseid ja muudki

Elken, Jüri Eesti Geograafia Seltsi aastaraamat = Yearbook of the Estonian Geographical Society. 42. kd 2017 / lk. 245-248 https://www.ester.ee/record=b1237665*est

Wind forced currents over the shallow Naissaar Bank in the Gulf of Finland

Lilover, Madis-Jaak; Pavelson, Juss; Kõuts, Tarmo Boreal environment research 2011 / p. 164-174 : ill <https://www.borenv.net/BER/archive/pdfs/ber16/ber16A-164.pdf>