

## **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

## **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](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **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

## **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://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](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](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](http://seom.esa.int/S3forScience2015/page_session28.php)

## **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](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>

## **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](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, Kaire; 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](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) : Klaipėda, 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 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 <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

### **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/SI95-243.1> [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://doi.org/10.1007/978-3-030-29951-4_3)  
[https://www.ester.ee/record=b5303400\\*est](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](https://www.ester.ee/record=b1233548*est)

### **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 runoff 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 runoff 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; Pöder, Tõnis;** Žagel, K. Eesti NSV rannikumere kaitse : [artiklite kogumik] 1982 / lk. 93-101 [https://www.ester.ee/record=b1233548\\*est](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** Book of Abstracts: 1st ShipWave International Workshop on Ship-induced Hydrodynamic Loads in Shallow Confined Coastal Waterways Hamburg, Germany, 22 to 24 March 2023 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

## **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>

## **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

## **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>

## **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>

## **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

## **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

## **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](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"](https://postimees.ee/2021/05/11/kui-palju-on-laanimeres-ohtlikke-aineid-eesti-teadlased-annavad-ulevaate/)

**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

**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](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](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](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 kvartalikirj = Quarterly bulletin of statistics Estonia 2016 / lk. 128-137 : ill  
[http://www.ester.ee/record=b2479604\\*est](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](https://www.ester.ee/record=b5208765*est)

**Mapping wave set-up near a complex geometric urban coastline**

**Soomere, Tarmo; Pindsoo, Katri;** Bishop, S. R.; Käär, Arvo; Valdmann, Ain Natural hazards and earth system sciences discussions 2013 / p. 1651-1688 : ill

**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

**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>

**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](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](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](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](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](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](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://artiklid.elnet.ee/record=b2621591*est)

### **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 <http://dx.doi.org/10.1007/s10933-017-9945-3>

### **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** Teadusmõtte 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>

### **Quality of Estonian coastal waters by underwater optical measurements**

**Alari, Victor; Erm, Ants; Väli, Germa; 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, Germa**; 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](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, Germa**; 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

## **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](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>

## **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](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](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](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>

## **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](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 slopping 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 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>

### **Toksiliste orgaaniliste ühendite ja nende isomeeride akumulereerimine 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?](#)

### **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>

### **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://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](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](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; Hermann, 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](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>

**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, Germa; 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