

### **A simple approach to determine the Stokes drift for the entire Baltic Sea**

Lehmann, Andreas; **Didenkulova, Irina**; Höflich, Katharina 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. 57 [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)

### **A snapshot of internal waves and hydrodynamic instabilities in the southern Bay of Bengal**

Lozovatsky, Iosif; Wijesekera, Hemantha; Jarosz, Ewa; **Lilover, Madis-Jaak** Journal of geophysical research. Oceans 2016 / p. 5898-5915 : ill <https://doi.org/10.1002/2016JC011697>

### **Assessing sediment transport and dissolved oxygen conditions in the western part of the Gulf of Finland**

**Buschmann, Fred**; **Laanemets, Jaan**; Suursaar, Ülo 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. 240 [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)

### **Circulation patterns in the Gulf of Finland applied to environmental management of marine protected areas = Soome lahe pinnahoovuste mustrite rakendamise looduskaitsealade haldamiseks**

**Delpeche-Ellmann, Nicole Camille** 2014 <https://digi.lib.ttu.ee/ii/?1820> [https://www.ester.ee/record=b4436090\\*est](https://www.ester.ee/record=b4436090*est)

### **Circulation patterns in the Gulf of Finland derived from the EOF analysis of model results**

**Elken, Jüri**; **Nõmm, Marden**; **Lagemaa, Priidik** Boreal environment research 2011 / p. 84-102 : ill

### **Correlation of upper Llandovery-lower Wenlock bentonites in the När (Gotland, Sweden) and Ventspils (Latvia) drill cores: role of volcanic ash clouds and shelf sea currents in determining areal distribution of bentonite**

**Kiipli, Tarmo**; **Kallaste, Toivo**; **Nestor, Viu-Kai** Estonian journal of earth sciences 2012 / p. 295-306 : ill

[https://www.researchgate.net/publication/259465427\\_Correlation\\_of\\_upper\\_Llandovery-lower\\_Wenlock\\_bentonites\\_in\\_the\\_När\\_Gotland\\_Sweden\\_and\\_Ventspils\\_Latvia\\_drill\\_cores\\_Role\\_of\\_volcanic\\_ash\\_clouds\\_and\\_shelf\\_sea\\_currents\\_in\\_determining\\_areal\\_distribution](https://www.researchgate.net/publication/259465427_Correlation_of_upper_Llandovery-lower_Wenlock_bentonites_in_the_När_Gotland_Sweden_and_Ventspils_Latvia_drill_cores_Role_of_volcanic_ash_clouds_and_shelf_sea_currents_in_determining_areal_distribution)

### **Currents**

**Elken, Jüri** Encyclopedia of marine geosciences 2016 / p. 139-142 : tab [https://doi.org/10.1007/978-94-007-6238-1\\_158](https://doi.org/10.1007/978-94-007-6238-1_158)

### **Currents in the Suur Strait and their role in the nutrient exchange between the Gulf of Riga and the Baltic Proper**

Suursaar, Ülo; **Astok, Villu**; Kullas, Tiit; **Nõmm, Avo**; Otsmann, Mikk Proceedings of the Estonian Academy of Sciences. Ecology 1995 / 3/4, p. 103-123: ill

### **Eight years of weekly eDNA monitoring in the North-Western Pacific**

**Sildever, Sirje**; Nishi, Noriko; Tazawa, Satoshi; Kasai, Hiromi; Hirai, Junya; Shiimoto, Akihiro; Kikuchi, Tasei; Katakura, Seiji; Nagai, Satoshi Environmental DNA 2023 <https://doi.org/10.1002/edn3.452>

### **Examination of the effects of wind induced forcings on surface drifters circulation patterns in the Gulf of Finland**

**Delpeche-Ellmann, Nicole Camille**; **Torsvik, Tomas** 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. 48 [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)

### **Hoovuste mõõtja Hydromast pannakse proovile kõige karmimates tingimustes**

Eding, Gaili Mente et Manu 2018 / lk. 57 : fot [http://www.ester.ee/record=b1242496\\*est](http://www.ester.ee/record=b1242496*est) <http://dea.digar.ee/publication/AKmenteetmanu> [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2018/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2018/mobile/index.html)

### **Hoovustest üldse, Golfi hoovusest eriti**

**Astok, Villu** Horisont 1968 / lk. 16-21 : fot., ill [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

### **Introduction to the Chemical Oceanography of Frontal Zones**

Belkin, Igor M.; Aliani, Stefano; Alkire, Matthew B.; Badewien, Thomas H.; Berta, Maristella; Durán Gómez, Gloria Silvana; Eliassen, Solva Karadottir; **Elken, Jüri**; Griffa, Annalisa; Suursaar, Ülo The Handbook of Environmental Chemistry 2022 / p. 1-23 [https://doi.org/10.1007/698\\_2022\\_894](https://doi.org/10.1007/698_2022_894) [Article Collection metrics at Scopus](#) [Article at Scopus](#)

### **Investigation of surface currents near Cape Kolka in the Gulf of Riga by use of surface drifters**

**Torsvik, Tomas**; **Viikmäe, Bert** 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. 153 [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)

### **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](#)

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

**Giudici, Andrea; Kalda, Jaan; Soomere, Tarmo** The 15th International Coastal Symposium 2018 Haeundae, Busan, Republic of Korea 13th – 18th May 2018 : book of abstracts 2018 / p. 104

## **Long-term mean, interannual and seasonal circulation in the Gulf of Finland - The wide salt wedge estuary or gulf type ROFI**

**Maljutenko, Ilja; Raudsepp, Urmas** Journal of marine systems 2019 / p. 1-19 : ill <https://doi.org/10.1016/j.jmarsys.2019.03.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Measurement of spontaneous current-induced patch formation processes in the marine surface layer**

**Giudici, Andrea** 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. 246 [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)

## **Merehoovuste trikid : termohaliinne veeringe kui võimalik režiimihete põhjustaja**

**Elken, Jüri** Horisont 2009 / 1, lk. 42-44 : ill [https://artiklid.elnet.ee/record=b1069489\\*est](https://artiklid.elnet.ee/record=b1069489*est)

## **Mesoscale physical processes and the related impact on the summer nutrient fields and phytoplankton blooms in the western Gulf of Finland**

**Pavelson, Juss** 2005 [https://www.ester.ee/record=b2073510\\*est](https://www.ester.ee/record=b2073510*est)

## **Mesoscale variability and river plume dynamics in the Gulf of Riga (a model study)**

**Lips, Urmas; Zhurbas, Victor; Skudra, Maris; Väli, Germo** 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. 72 [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)

## **Multi-scale wind wave modeling in the Baltic Sea = Mitmemastaapne tuulelainete modelleerimine Läänemeres**

**Alari, Victor** 2013 [http://www.ester.ee/record=b2995944\\*est](http://www.ester.ee/record=b2995944*est)

## **A numerical study of circulation in the Gulf of Riga, Baltic Sea. Part I : Whole-basin gyres and mean currents**

**Lips, Urmas; Zhurbas, Victor; Skudra, Maris; Väli, Germo** Continental shelf research 2016 / p. 1-13 : ill <https://doi.org/10.1016/j.csr.2015.11.008>

## **A numerical study of circulation in the Gulf of Riga, Baltic Sea. Part II : Mesoscale features and freshwater transport pathways**

**Lips, Urmas; Zhurbas, Victor; Skudra, Maris; Väli, Germo** Continental shelf research 2016 / p. 44-52 : ill <https://doi.org/10.1016/j.csr.2015.12.018>

## **Observed thermohaline fields and low-frequency currents in the Narva Bay**

**Laanearu, Janek; Lips, Urmas** Proceedings of the Estonian Academy of Sciences. Engineering 2003 / 2, p. 91-106 : ill [https://artiklid.elnet.ee/record=b1012786\\*est](https://artiklid.elnet.ee/record=b1012786*est)

## **On dispersion properties of surface motions in the Gulf of Finland**

**Soomere, Tarmo; Viidebaum, Mikko; Kalda, Jaan** Proceedings of the Estonian Academy of Sciences 2011 / 4, lk. 269-279 : ill

## **Optimising fairways in the Gulf of Finland using patterns of surface currents = Laevateede optimeerimine Soome lahel pinnahoovuste muustrite põhjal**

**Viikmäe, Bert** 2014

## **Quantification of spontaneous current-induced patch formation in the marine surface layer = Spontaanne laikude formeerumine mere pinnahoovuste mõjul**

**Giudici, Andrea** 2015 <https://digi.lib.tu.ee/i/?1871> [https://www.ester.ee/record=b4446070\\*est](https://www.ester.ee/record=b4446070*est)

## **Renewed circulation scheme of the Baltic Sea – based on the 40-year simulation with GETM**

**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. 71 [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)

## **Response of water circulation, temperature and salinity to wind wave effects in the Baltic and North Sea's**

**Alari, Victor; Staneva, Joanna** 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. 62 [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)

## **Saaste jälgimise tehnoloogia Soome lahes**

**Giudici, Andrea** Teadus kolme minutiga : 2017-2019 2019 / lk. 40-43 : portr., kaart [https://www.ester.ee/record=b5245642\\*est](https://www.ester.ee/record=b5245642*est)

**Structure and variability of currents in the stratified Gulf of Finland = Hoovuste muutlikkus ja struktuur stratifitseeritud Soome lahes**

Suhhova, Irina 2018 <https://digi.lib.ttu.ee/i/?11156>

**A study of the sea surface boundary layer dynamics**

Davuliene, Lina; Kelpšaitė, Loreta; **Torsvik, Tomas**; Dailidiene, Inga 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. 165  
[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)

**Temporal scales for transport patterns in the Gulf of Finland**

**Viikmäe, Bert; Soomere, Tarmo; Viidebaum, Mikk; Berezovski, Mihhail** Estonian journal of engineering 2010 / 3, p. 211-227 : ill

**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

**Tracks of surface drifters from a major fairway to marine protected areas in the Gulf of Finland**

**Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 226-233 : ill [https://artiklid.elnet.ee/record=b2740528\\*est](https://artiklid.elnet.ee/record=b2740528*est)

**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

**Variability of low-frequency currents in the Gulf of Finland**

**Lilover, Madis-Jaak; Elken, Jüri** 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. 54 [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)

**Water circulation in gulf type regions of freshwater influence - the Gulf of Finland and Gulf of Riga = Vee tsirkulatsioon poolsuletud magevee mõjualas - Soome lahes ja Liivi lahes**

**Maljutenko, Ilja** 2019 <https://digi.lib.ttu.ee/i/?12438>

**Verification of modelled locations of coastal areas exposed to current-driven pollution in the Gulf of Finland by using surface drifters**

**Viikmäe, Bert; Torsvik, Tomas; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 405-416 : ill  
[https://artiklid.elnet.ee/record=b2740578\\*est](https://artiklid.elnet.ee/record=b2740578*est)

**Vesi meres kerkib ja vajub**

**Soomere, Tarmo** Eesti Loodus 2007 / 8, lk. 6-12 : ill [https://artiklid.elnet.ee/record=b2373567\\*est](https://artiklid.elnet.ee/record=b2373567*est)

**Wind-driven currents over the shallow Naissaare Bank in the Gulf of Finland**

**Lilover, Madis-Jaak; Pavelson, Juss; Kõuts, Tarmo** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 166

**Морские течения как элементы случайного векторного поля**

**Aitsam, Ain; Astok, Villu** Сборник статей по санитарной технике. 4 1967 / с. 45-49 : илл [https://www.ester.ee/record=b2085120\\*est](https://www.ester.ee/record=b2085120*est)  
<https://digikogu.taltech.ee/et/item/70078b22-eb0f-463d-b740-5f540d9bbb18>

**Некоторые вопросы вычисления спектра случайной функции с периодическими составляющими (на примере спектра морских течений)**

**Aitsam, Ain; Astok, Villu** Известия Академии наук СССР. Физика атмосферы и океана = Izvestiya of Academy of sciences, USSR. Atmospheric and oceanic physics 1968 / с. 746-758 [https://www.ester.ee/record=b2642773\\*est](https://www.ester.ee/record=b2642773*est)

**Некоторые вопросы вычисления спектра случайной функции с периодическими составляющими (на примере спектра морских течений)**

**Aitsam, Ain; Astok, Villu** Известия Академии наук СССР. Физика атмосферы и океана = Izvestiya of Academy of sciences, USSR. Atmospheric and oceanic physics 1968 / с. 746-758 [https://www.ester.ee/record=b2642773\\*est](https://www.ester.ee/record=b2642773*est)