

## **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>

## **Central Baltic Sea Circulation Experiment – first results**

**Liblik, Taavi**; Rak, Daniel; **Siht, Enriko**; **Väli, Germo**; Karstensen, Johannes; Tuomi, Laura; Biddle, Louise; **Lilover, Madis-Jaak**; Skudra, Maris; **Lips, Urmas** New challenges for Baltic Sea Earth System research : conference proceedings 2024 / p. 145-146  
[https://baltic.earth/imperia/md/assets/baltic\\_earth/baltic\\_earth/baltic\\_earth/5bec\\_proceedings.pdf](https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/baltic_earth/5bec_proceedings.pdf)

## **Characteristics of high-resolution sea ice dynamics in the Gulf of Finland, Baltic Sea**

**Lilover, Madis-Jaak**; **Pavelson, Juss**; **Kõuts, Tarmo**; Leppäranta, Matti Boreal environment research 2018 / p. 175–191  
<http://www.borenv.net/BER/pdfs/ber23/ber23-175-191.pdf>

## **A comparison of parameterized, simulated and measured eddy diffusivities in the Gulf of Finland**

**Lilover, Madis-Jaak**; Stips, Adolf Konrad BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 119

## **A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland**

**Suhhova, Irina**; **Liblik, Taavi**; **Lilover, Madis-Jaak**; **Lips, Urmas** Boreal environment research 2018 / p. 83-103 : ill  
[https://www.ester.ee/record=b1199571\\*est](https://www.ester.ee/record=b1199571*est) <https://www.borenv.net/BER/archive/ber231-6.htm> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

## **A descriptive analysis of the linkage between the vertical stratification and current oscillations in the Gulf of Finland [Online resource]**

**Suhhova, Irina**; **Liblik, Taavi**; **Lilover, Madis-Jaak**; **Lips, Urmas** 2nd Baltic Earth Conference The Baltic Sea in Transition : Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 168-169 : 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)

## **Diapycnal mixing and internal waves in the Saint John River Estuary, New Brunswick, Canada with a discussion relative to the Baltic Sea**

**Delpeche, Nicole**; **Soomere, Tarmo**; **Lilover, Madis-Jaak** Estonian journal of engineering 2010 / 2, p. 157-175 : ill

## **EOS - Environment & Oil Spill Response. An analytic tool for environmental assessments to support oil spill response planning: Framework, principles, and proof-of-concept by an Arctic example**

Wegeberg, S.; Fritt-Rasmussen, J.; Gustavson, K.; **Lilover, Madis-Jaak**; Boertmann, D.; Christensen, T.; Johansen, K. L.; Spelling-Clausen, D.; Riget, F.; Mosbech, A. Marine pollution bulletin 2024 / art. 115948 <https://doi.org/10.1016/j.marpolbul.2023.115948> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **The EU Horizon 2020 project GRACE : integrated oil spill response actions and environmental effects**

Jørgensen, Kristen S.; Kreutzer, Anne; Lehtonen, Kari K.; Kankaanpää, Harri; Truu, Jaak; **Kõuts, Tarmo**; **Lilover, Madis-Jaak** Environmental sciences Europe 2019 / art. 44, 10 p. : ill <https://doi.org/10.1186/s12302-019-0227-8> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **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 IHR World Congress : 28 June - 3 July, 2015, The Hague, the Netherlands 2015 / p. 1-4 : ill

## **Experimental study on dynamical blocking conditions of net exchange flows**

**Laanearu, Janek**; Cuthbertson, Alan; Carr, Magda; Sommeria, Joel; **Lilover, Madis-Jaak**; Viboud, Samuel; Berntsen, Jarle VIIIth International Symposium on Stratified Flows : San Diego 2016 2016 / p. 1-8 : ill <http://escholarship.org/uc/item/48s7m6h9>

## **High-resolution characterization of the development and decay of seasonal hypoxia in the Gulf of Riga, Baltic Sea**

**Liblik, Taavi**; **Stoicescu, Stella-Theresa**; **Buschmann, Fred**; **Lilover, Madis-Jaak**; **Lips, Urmas** Frontiers in marine science 2023 / art. 1119515 <https://doi.org/10.3389/fmars.2023.1119515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **High-resolution ice dynamics in the Gulf of Finland**

**Lilover, Madis-Jaak**; **Kõuts, Tarmo**; Leppäranta, Matti The 11th Baltic Sea Science Congress "Living Along Gradients : Past, Present, Future" : June 12-16, 2017 : abstracts 2017 / p. 17 [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)

## **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](https://www.io-warnemuende.de/tl_files/conference/bssc2017/bssc2017-abstract-book.pdf)

### **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)

### **Midwinter stratification formation in the Gulf of Finland**

**Liblik, Taavi; Väli, Germo; Lilover, Madis-Jaak; Laanemets, Jaan; Kikas, Villu; Lips, Inga** 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. 123 "[proceedings](#)"

### **Observation, parameterization and simulation of turbulent mixing in the Gulf of Finland, the Baltic Sea**

**Lilover, Madis-Jaak; Stips, Adolf Konrad** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 85

### **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)

### **Observed flow variability along the thalweg, and on the coastal slopes of the Gulf of Finland, Baltic Sea**

**Lilover, Madis-Jaak; Elken, Jüri; Suhhova, Irina; Liblik, Taavi** Estuarine, coastal and shelf science 2017 / p. 23-33 : ill  
<https://doi.org/10.1016/j.ecss.2016.11.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the importance of the different forcing components for simulating Baltic Sea saltwater inflows**

Stips, Adolf Konrad; Bolding, Karsten; **Lilover, Madis-Jaak** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 102

### **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](#)

### **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

### **Quasi-steady circulation regimes in the Baltic Sea**

**Liblik, Taavi; Väli, Germo; Salm, Kai; Laanemets, Jaan; Lilover, Madis-Jaak; Lips, Urmas** Ocean science 2022 / p. 857-879  
<https://doi.org/10.5194/os-18-857-2022> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Lozovatsky, Iossif; Wijesekera, Hemantha; Jarosz, Ewa; **Lilover, Madis-Jaak** Journal of geophysical research. Oceans 2016 / p. 5898-5915 : ill <https://doi.org/10.1002/2016JC011697> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Statistics of deep estuarine circulation vs reverse estuarine circulation in the Gulf of Finland**

**Lilover, Madis-Jaak; Elken, Jüri; Suhhova, Irina; Liblik, Taavi** 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. 21-22 : 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)

### **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)

### **Variability of stratification and currents at the submesoscale detected from CTD and current profiles in the central Gulf of Finland**

**Lilover, Madis-Jaak; Lips, Urmas; Liblik, Taavi; Suhhova, Irina; Väli, Germo** Boreal Environment Research 2025

### **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>

### **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

### **Winter re-stratification events and their consequences in the NE Baltic Sea**

**Liblik, Taavi; Väli, Germo; Künnis-Beres, Kai; Lilover, Madis-Jaak; Lips, Inga** Abstracts : [BSSC 2019] 2019 / p. 208  
[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)

**The winter stratification phenomenon and its consequences in the Gulf of Finland, Baltic Sea**

**Liblik, Taavi; Väli, Germo; 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](#)

**Тонкая вертикальная структура поля скорости течения в Балтийском море : автореферат ... кандидата физико-математических наук (11.00.08)**

Lilover, Madis-Jaak 1989 [https://www.ester.ee/record=b1525631\\*est](https://www.ester.ee/record=b1525631*est)