

Analysing undisturbed bottom boundary layer profiles of some North-Estonian coastal areas

Erm, Ants; Voll, Martin; Buschmann, Fred; Roots, Ott 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. 227 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

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

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

Autonomous PIV-measurements in the Tallinn Bay

Erm, Ants; Listak, Madis; Rebane, Jaan; Toming, Gert; Buschmann, Fred International Coastal Symposium 2013 : book of abstracts : Plymouth University, 8–12 April 2013 2013 / p. 376

Autonomous underwater device for 2D particle image velocimetry field analysis

Buschmann, Fred; Erm, Ants; Listak, Madis; Rebane, Jaan; Toming, Gert BSSC 9th Baltic Sea Science Congress 2013 : New Horizons for Baltic Sea Science, Klaipeda, Lithuania, 26-30 August 2013 : [abstracts] 2013 / p. 147

A case study on microlitter and chemical contaminants: Assessing biological effects in the southern coast of the Gulf of Finland (Baltic sea) using the mussel *Mytilus trossulus* as a bioindicator

Kuprijanov, Ivan; Buhhalko, Natalja; Eriksson, Ulrika; Sjöberg, Viktor; Rotander, Anna; **Kolesova, Natalja; Lipp, Maarja; Buschmann, Fred;** Hashmi, Arslan; **Liblik, Taavi;** Lehtonen, Kari K. Marine environmental research 2024 / art. 106628 <https://doi.org/10.1016/j.marenvres.2024.106628>

Dioxins and furans in surface sediment of NW Estonian coastal sea [Online resource]

Erm, Ants; Buschmann, Fred; Voll, Martin Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 31-32 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Environmental impact of water exchange blocking in a strait – a multidisciplinary study in the Baltic Sea

Liblik, Taavi; Buschmann, Fred; Siht, Ergo; Kuprijanov, Ivan; Väli, Germa; Lipp, Maarja; Erm, Ants; Laanemets, Jaan; Eschbaum, Redik; Verliin, Aare; Saks, Lauri; Zekker, Ivar Oceanologia 2023 / p. 9-25 : ill <https://doi.org/10.1016/j.oceano.2023.06.002>

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; Liloer, 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](#)

Hinnangu andmine merekeskkonna ökosüsteemipõhiseks korraldamiseks Soome lahe merepõhja ja setete näitel : (SedGoF) : projekti aruanne

Suuroja, Sten; **Heinsalu, Atko; Alliksaar, Tiit; Lips, Urmas; Pajusaar, Siim; Liiv, Merlin; Buschmann, Fred; Erm, Ants; Kiipli, Tarmo; Kallaste, Toivo** 2016 https://www.kik.ee/sites/default/files/uuringud/aruanne_sedgof_30.06.2016_0.pdf

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

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

Linking contaminant exposure to embryo aberrations in sediment-dwelling amphipods : a multi-basin field study in the Baltic Sea

Kolesova, Natalja; Sildever, Sirje; Strobe, Evita; Berezina, Nadezhda; Sundelin, B.; **Lips, Inga; Kuprijanov, Ivan; Buschmann, Fred;** Gorokhova, Elena Ecological indicators 2024 / art. 111837, 11 p. ill <https://doi.org/10.1016/j.ecolind.2024.111837> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monitoring sediment transport in the coastal zone of Tallinn Bay

Buschmann, Fred; Erm, Ants; Alari, Victor; Listak, Madis; Rebane, Jaan; Toming, Gert 2012 IEEE/OES Baltic International Symposium (BALTIC) : May 8-11, 2012, Klaipeda, Lithuania : [proceedings] 2012 / p. 1-13 : ill https://www.researchgate.net/publication/261379280_Monitoring_sediment_transport_in_the_coastal_zone_of_Tallinn_Bay

Near bottom dynamics measurements in coastal waters of NW Estonia

Erm, Ants; Buschmann, Fred; Alari, Victor; Rosin, Kai; Rebane, Jaan; Listak, Madis 8th Baltic Sea Science Congress 22–26, August 2011, St. Petersburg, Russia : book of abstracts 2011 / p. 82

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

On the turbidity dynamics in the near-bottom layer of the Gulf of Finland

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

Particle Image Velocimetry - an attractive method to make the near bottom velocity field visible [Online resource]

Buschmann, Fred; Erm, Ants; Listak, Madis Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 30 https://www.baltic-earth.eu/multipledrivers2018/material/No.14_Tallinn2018.pdf

Seasonal near-shore nutrients load in Tallinn Bay coming from storm water outlets

Erm, Ants; Buschmann, Fred; Maljutenko, Ilja; Meerits, Aet; Suhhova, Irina 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. 230 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Spring bloom dinoflagellate cyst dynamics in three eastern sub-basins of the Baltic Sea

Sildever, Sirje; Kremp, Anke; Enke, Annely; Buschmann, Fred; Maljutenko, Ilja; Lips, Inga Continental shelf research 2017 / p. 46-55 : ill <https://doi.org/10.1016/j.csr.2016.11.012> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Synoptic scale assessment of oxygen depletion in the Gulf of Finland

Liblik, Taavi; Stoicescu, Stella-Theresa; Laanemets, Jaan; Samlas, Oliver; Kuprijanov, Ivan; Buschmann, Fred; Lips, Urmas Abstracts : [BSSC 2019] 2019 / p. 207 https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

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](#)

Wintertime reversals of estuarine circulation and related changes in oxygen and nutrient conditions in the Gulf of Finland

Lips, Urmas; Laanemets, Jaan; Elken, Jüri; Lips, Inga; Liblik, Taavi; Raudsepp, Urmas; Suhhova, Irina; Buschmann, Fred; 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. 94 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf