

Analysis of historical MERIS and MODIS data to evaluate the impact of dredging to monthly mean surface TSM concentration

Raag, Laura; Uiboupin, Rivo; Sipelgas, Liis Remote sensing of the ocean, sea ice, coastal waters, and large water regions 2013 : 24 September 2013, Dresden, Germany 2013 / art. 88880B <https://doi.org/10.1117/12.2032327> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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 International journal of remote sensing 2014 / p. 6764-6780 : ill <https://doi.org/10.1080/01431161.2014.963898> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

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

Application of satellite data for monitoring the marine environment

Sipelgas, Liis 2006 <https://digi.lib.ttu.ee//?95> https://www.ester.ee/record=b2146053*est

Characterization of ice cover extent from MODIS imagery during different winter scenarios in the Gulf of Riga, Baltic Sea

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. 127 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Comparison of hyperspectral measurements of the attenuation and scattering coefficients spectra with modeling results in the north-eastern Baltic Sea

Sipelgas, Liis; Raudsepp, Urmas Estuarine, Coastal and Shelf Science 2015 / p. 1-9 <https://doi.org/10.1016/j.ecss.2015.08.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of satellite sea surface temperature with in situ surface layer temperature

Uiboupin, Rivo; Sipelgas, Liis Proceedings of the Estonian Academy of Sciences. Biology. Ecology 2007 / 1, p. 47-56 : ill

Detection of oil spills on SAR images and forecast of the slicks trajectory, case study

Uiboupin, Rivo; Raudsepp, Urmas; Sipelgas, Liis US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 161

Doktorant: Liis Sipelgas : [Avaja küsimustele vastab TTÜ doktorant Liis Sipelgas]

Sipelgas, Liis Avaja 2004 / 21. jaan., lk. 11 : portr

Impact of thermohaline conditions on vertical variability of optical properties in the Gulf of Finland (Baltic Sea) : implications for water quality remote sensing

Aavaste, Age; Sipelgas, Liis; Uiboupin, Rivo; Uudeberg, Kristi Frontiers in marine science 2021 / art. 674065 <https://doi.org/10.3389/fmars.2021.674065> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kaugseire kui abivahend väikejärvede kohtseire planeerimisel Koiva vesikonna väikejärvede näitel

Sipelgas, Liis; Arikas, Age; Auväärt, Kadri; Altoja, Kristi Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 23-31 : ill https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf

Liivi lahe jääolude kaardistamine kaugseireandmete põhjal

Raag, Laura; Sipelgas, Liis; Uiboupin, Rivo Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 38-46 : ill., kaart

Mapping flood extent and frequency from Sentinel-1 imagery during the extremely warm winter of 2020 in boreal floodplains and forests

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo Remote sensing 2021 / art. 4949, 17 p. : ill., map <https://doi.org/10.3390/rs13234949> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mapping recurrent flooding zone along Estonian inland waters from Sentinel-1 and-2

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo International archives of the photogrammetry, remote sensing and spatial information sciences 2020 / p. 627-632 <https://doi.org/10.5194/isprs-archives-XLIII-B3-2020-627-2020> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Methodology for mapping flood extent on Estonian floodplains

Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo; Rikka, Sander 2020 IEEE International Geoscience and Remote Sensing Symposium, September 26 – October 2, 2020 : Virtual Symposium : Proceedings 2020 / p. 4750-4753
<https://doi.org/10.1109/IGARSS39084.2020.9324369> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Monitoring of harbor dredging using remote sensing and AC-Spectra data

Sipelgas, Liis; Raudsepp, Urmas BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 86

Monitoring the concentration, distribution, origin and size of suspended particles in the water column during harbour dredging in Pakri Bay, the Gulf of Finland

Sipelgas, Liis Boreal environment research 2011 / p. 42-48 : ill <https://www.borenv.net/BER/archive/pdfs/ber16/ber16A-042.pdf>

Multi-source remote sensing data reveals complex topsoil organic carbon dynamics in coastal wetlands

Villoslada, Miguel; **Sipelgas, Liis**; Bergamo, Thaisa Fernandes; Ward, Raymond D.; Reintam, Endla; Astover, Alar; Kumpula, Timo; Sepp, Kalev Ecological Indicators 2022 / art. 109329 <https://doi.org/10.1016/j.ecolind.2022.109329> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Portable coastal operational oceanographic system to monitor the harbor-related environmental impacts in Estonia [Electronic resource]

Elken, Jüri; Kõuts, Tarmo; Raudsepp, Urmas; Sipelgas, Liis Proceedings of the USA-Baltic International Symposium "Advances in Marine Environmental Research, Monitoring and Technologies" : Klaipeda, 15-17 June, 2004 2004 / [6] p. [CD-ROM]
<https://ieeexplore.ieee.org/document/7296771>

Sentinel satelliitide andmetel põhinev operatiivne jääseireteenus

Rikka, Sander; Sipelgas, Liis; Simon, Martin; Služenikina, Jekaterina; **Siitam, Laura; Uiboupin, Rivo** Kaugseire Eestis 2021 : artiklikogumik 2022 / p. 53-64 https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire_eestis_2021_artiklikogumik_1.pdf
<https://kaugseire.ee/2021>

Spatial distribution of hydrographic and biochemical variables in a small coastal bay : explanation using systems approach

Lessin, Gennadi; Raudsepp, Urmas; Passenko, Jelena; Altoja, Kristi; Martin, Georg; **Sipelgas, Liis** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 45

Statistical characterization of the sea ice extent during different winter scenarios in the Gulf of Riga (Baltic Sea) using optical remote-sensing imagery

Siitam, Laura; Sipelgas, Liis; Pärn, Ove; Uiboupin, Rivo International journal of remote sensing 2017 / p. 617-638 : ill
<https://doi.org/10.1080/01431161.2016.1268734> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 quality near Estonian harbours in the Baltic Sea as observed from entire MERIS full resolution archive

Sipelgas, Liis; Uiboupin, Rivo; Arikas, Age; Siitam, Laura Marine pollution bulletin 2018 / p. 565-574 : ill
<https://doi.org/10.1016/j.marpolbul.2017.09.058> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)