

Applications of marine scatterometer winds and quality aspects of their assimilation into numerical weather prediction model HIRLAM = Skatteromeetri meretuulte rakendused ja kvaliteethinnang nende assimileerimisele numbrilise prognoosi mudelisse HIRLAM

Služenikina, Jekaterina 2016 <https://digi.lib.ttu.ee/i/25158> https://www.ester.ee/record=b4570254*est

Atmosfääri ja mere dünaamika

Elken, Jüri; Männik, Aarne; Rõõm, Rein Teadusmõte Eestis : täppisteadused : [artiklikogumik] 2006 / lk. 119-126 : ill https://www.ester.ee/record=b2230239*est

Comparing a 41-year model hindcast with decades of wave measurements from the Baltic Sea

Björkqvist, Jan-Victor; Lukas, Ingvar; Alari, Victor; Männik, Aarne Ocean engineering 2018 / p. 57-71 : ill

<https://doi.org/10.1016/j.oceaneng.2018.01.048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of HIRLAM wind data with measurements at Estonian coastal meteorological stations

Keevallik, Sirje; Männik, Aarne; Hinnov, Juhan Estonian journal of earth sciences 2010 / 1, p. 90-99 : ill

https://artiklid.elnet.ee/record=b1965734*est

Extreme waves and low sea level during the storm in the Gulf of Bothnia, Baltic Sea

Raudsepp, Urmas; Männik, Aarne; Maljutenko, Ilja; Lagemaa, Priidik; Rikka, Sander; Alari, Victor; Uiboupin, Rivo Journal of operational oceanography 2021 / p. s162-s173 : ill., map <https://doi.org/10.1080/1755876X.2021.1946240>

Kas ilm on tõesti muutunud? TalTechi meteoroloogia professor Aarne Männik annab aru

Männik, Aarne digi.geenius.ee 2024 [Kas ilm on tõesti muutunud? TalTechi meteoroloogia professor Aarne Männik annab aru](#)

Linking atmospheric, terrestrial and aquatic environments : Regime shifts in the Estonian climate over the past 50 years

Kotta, Jonne; Herkül, Kristjan; Jaagus, Jaak; Kaasik, Ants; Raudsepp, Urmas; Alari, Victor; Laanemets, Jaan; Maljutenko, Ilja; Männik, Aarne; Reihan, Alvina PLoS ONE 2018 / e0209568, 20 p. : ill <https://doi.org/10.1371/journal.pone.0209568> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mereteadlane : Eestit sasinud tsüklon meenutas kaalus juurde võtnud vana tuttavat : [Võrguväljaanne]

Männik, Aarne novaator.err.ee 2019 [Mereteadlane: Eestit sasinud tsüklon meenutas kaalus juurde võtnud vana tuttavat](#)

Reanalysis based assessment of tropospheric thickness trends in Baltic Sea region

Lerner, Alina; Männik, Aarne 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. 175-176 : ill ["proceedings"](#)

Record high heat content and low ice extent in the Baltic Sea during winter 2019/20

Raudsepp, Urmas; Maljutenko, Ilja; Haapala, Jari; Männik, Aarne; Verjovkina, Svetlana; Uiboupin, Rivo; von Schuckmann, Karina; Mayer, Michael Journal of operational oceanography 2022 / p. 175-185 : ill. <https://doi.org/10.1080/1755876X.2022.2095169>

Regime shifts in the natural environment in the northern Baltic Sea region in late 1980s

Jaagus, Jaak; Alari, Victor; Arula, Timo; Järvet, Arvo; Kont, Are; Kotta, Jonne; Kull, Ain; Laanemets, Jaan; Männik, Aarne; Ojaveer, Henn; Raudsepp, Urmas; Reihan, Alvina; Rõõm, Rein; Sepp, Mait; Suursaar, Ülo; Tamm, Ottar; Tamm, Toomas; Tõnisson, Hannes 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. 64 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

A review on remote-sensing-based harmful cyanobacterial bloom monitoring services

Janatian, Nasim; Raudsepp, Urmas; Broomandi, Parya; Fickas, Kate; Olli, Kalle; Heimovaara, Timo; Männik, Aarne; Uiboupin, Rivo; Pahlevan, Nima Remote sensing applications society and environment 2025 / art. 101488 <https://doi.org/10.1016/j.rsase.2025.101488>

Sea surface circulation in the Baltic Sea : decomposed components and pattern recognition

Barzandeh, Amirhossein; Maljutenko, Ilja; Rikka, Sander; Lagemaa, Priidik; Männik, Aarne; Uiboupin, Rivo; Raudsepp, Urmas Scientific reports 2024 / art. 18649 <https://doi.org/10.1038/s41598-024-69463-8>

Tehisintellekt ennustab ilma ja mereveetaset. TalTechi professor: paljulubavalt võimekas

Kald, Indrek; Männik, Aarne ituudised.ee 2024 [Tehisintellekt ennustab ilma ja mereveetaset. TalTechi professor: paljulubavalt võimekas](#)

Uued inimesed TalTechis

Dashtimanesh, Abbas; Gerstlberger, Wolfgang Dieter; Hoffmann, Thomas; Männik, Aarne; Niidu, Allan; Pagliarini, Samuel Nascimento; Sobocinski, Pawel Maria; Treffner, Ivar Mente et Manu 2019 / lk. 26-32 : fot https://www.ester.ee/record=b1242496*est

Validation of methods for developing typical meteorological years based on future climate models

Seyed Salehi, Seyed Shahabaldin; Männik, Aarne; Kalamees, Targo; Thalfeldt, Martin E3S Web of Conferences : BuildSim Nordic 2024 2024 / art. 07002 ; 12 p <https://doi.org/10.1051/e3sconf/202456207002>

Variability of marine heatwaves' characteristics and assessment of their potential drivers in the Baltic Sea over the last 42 years

Bashiri, Behzad; Barzandeh, Amirhossein; Männik, Aarne; Raudsepp, Urmas Scientific reports 2024 / art. 22419
<https://doi.org/10.1038/s41598-024-74173-2>

Wave height return periods from combined measurement–model data: a Baltic Sea case study

Björkqvist, Jan-Victor; Rikka, Sander; Alari, Victor; Männik, Aarne; Tuomi, Laura; Pettersson, Heidi Natural hazards and earth system sciences 2020 / p. 3593–3609 <https://doi.org/10.5194/nhess-20-3593-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)