

Applicability of Copernicus marine service products for the eutrophication status assessment of the Baltic Sea
Samlas, Oliver; Luik, Stella-Theresa; Korabel, Vasily; She, Jun; **Lips, Urm**as Marine Pollution Bulletin 2025 / art. 117975
<https://doi.org/10.1016/j.marpolbul.2025.117975>

Application of a hydrodynamic model to long-term monitoring data : exploring transport pathways to identify the source of high toxicity populations of *Dinophysis fortii* in aquaculture sites in northern Japan
Miyazono, Akira; Kuribayashi, Takanori; Hada, Yasufumi; Asakura, Ken; Kobayashi, Kazuma; Mizuno, Katsuhiko; Lum, Wai Mun; **Sildever, Sirje;** Kuroda, Hiroshi; Nagai, Satoshi Harmful Algae 2025 / art. 102976 <https://doi.org/10.1016/j.hal.2025.102976>

Application of the HIDRA2 deep-learning model for sea level forecasting along the Estonian coast of the Baltic Sea
Barzandeh, Amirhossein; Licer, Matjaz; Rus, Marko; Kristan, Matej; **Maljutenko, Ilja; Elken, Juri; Lagemaa, Priidik; Uiboupin, Rivo** Ocean Science 2025 / p. 1315-1327 <https://doi.org/10.5194/os-21-1315-2025>

The draft genome sequences of the cosmopolitan centric diatom, the genus *Skeletonema*
Nagai, Satoshi; Minei, Ryuhei; Takemura, Ikuyo; Tabata, Hiromasa; Töpel, Mats; Pinder, Matthew; Kourtchenko, Olga; Lee-Kuo, Kang; Van Nguyen, Nguyen; **Sildever, Sirje** Scientific data 2025 / art. 1358 <https://doi.org/10.1038/s41597-025-05432-8>

Forcing-dependent submesoscale variability and subduction in a coastal sea area (Gulf of Finland, Baltic Sea)
Salm, Kai; Väli, Germo; Liblik, Taavi; **Lips, Urm**as Ocean science 2025 / p. 2555-2577 <https://doi.org/10.5194/os-21-2555-2025>
[Article at Scopus](#)

Impact of coastal currents and eddies on particle dispersion in the Baltic Sea: a Lagrangian approach to marine ecosystems
Hariri, Saeed; **Väli, Ger**mo; **Meier, H. E. Markus** Frontiers in marine science 2025 / 12 p <https://doi.org/10.3389/fmars.2025.1545035>
<https://www.frontiersin.org/journals/marine-science/articles/10.3389/fmars.2025.1545035/full>

Implementing digital twin technology of the earth system in Destination Earth
Wedi, Nils; Sandu, Irina; Bauer, Peter; Acosta, Mario; Andersen, Rune Carbuhn; Andrae, Ulf; Auger, Ludovic; Balsamo, Gianpaolo; **Baousis, Vasileios;** Bennett, Victoria; **Maljutenko, Ilja** Journal of the European Meteorological Society 2025 / art. 100015
<https://doi.org/10.1016/j.jemets.2025.100015> <https://www.sciencedirect.com/science/article/pii/S2950630125000092>

Microplastics (10 µm-5 mm) in European Atlantic coastal waters
Buhhalko, Natalja; Kuddithamby, Gunaalan; Vianello, Alvise; Rotander, Anna; Vidal-Linan, Leticia; Beiras, Ricardo; Falcou-Prefol, Mathilde; Town, Raewyn M.; Hylland, Ketil; Morin, B.; **Lips, Urm**as Environmental advances 2025 / art. 100644
<https://doi.org/10.1016/j.envadv.2025.100644> <https://www.sciencedirect.com/science/article/pii/S2666765725000365?via%3Dihub>

More room at the top : How small buoys help reveal the detailed dynamics of the air–sea interface
Cavaleri, Luigi; **Alari, Victor;** Benetazzo, Alvise; Björkqvist, Jan-Victor; Breivik, Øyvind; **Davis, Jacob;** Hope, Gaute; Kleven, Atle; **Leirvik, Frode;** Nordam, Tor; **Rikka, Sander** Bulletin of the American Meteorological Society 2025 / p. E1063-E1076
<https://doi.org/10.1175/BAMS-D-24-0120.1>

Pre-evaluation of wave energy converter deployment in the Baltic Sea through site limitations using CMEMS hindcast, Sentinel-1, and wave Buoy data
Vidjajev, Nikon; Rikka, Sander; Alari, Victor Energies 2025 / art. 3843 <https://doi.org/10.3390/en18143843>

Product life cycle assessment (LCA) of inactive yeast production
Bashiri, Bashir; Banerjee, Susmita; **Vilu, Raivo** 36th VHYC Yeast Conference : Advances in Science and Industrial Production of Baker's Yeast : "Sustainable yeast production challenges", Duesseldorf, Germany, 22-23 May 2025 2025 / p. 5 https://vh-berlin.org/vhyc2025/VHYC2025_Abstracts.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 ice in the Baltic Sea during 1993/94–2020/21 ice seasons from satellite observations and model reanalysis
Singh, Shakti; Maljutenko, Ilja; Uiboupin, Rivo The cryosphere 2025 / p. 4741-4758 <https://doi.org/10.5194/tc-19-4741-2025> [Article at Scopus](#) [Article at WOS](#)

A Surrogate model for daily sea surface current fields prediction using CNN-UNET
Barzandeh, Amirhossein; Maljutenko, Ilja; Rikka, Sander; Raudsepp, Urmas EGU General Assembly 2025 2025 / art. EGU25-16890 <https://meetingorganizer.copernicus.org/EGU25/EGU25-16890.html> <https://doi.org/10.5194/egusphere-egu25-16890>

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, Ger**mo Boreal Environment Research 2025

Wave energy extracting near Siri Island by using new energy converter type selection coefficient

Salimi, Fouad; **Barzandeh, Amirhossein**; Eshghi, Naghmeh International Journal of Energy and Water Resources 2025
<https://doi.org/10.1007/s42108-025-00354-y>