

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](#)

A comparison of Baltic Sea wave properties simulated using two modelled wind data sets

Giudici, Andrea; Jankowski, Mikolaj Zbigniew; Männikus, Rain; Najafzadeh, Fatemeh; Suursaar, Ülo; **Soomere, Tarmo**

Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill <https://doi.org/10.1016/j.ecss.2023.108401> [Journal metrics at Scopus](#)

[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

How do simple wave models perform compared with sophisticated models and measurements in the Gulf of Finland?

Männikus, Rain; **Soomere, Tarmo**; Suursaar, Ülo Estonian journal of earth sciences 2024 / p. 98-111

<https://doi.org/10.3176/earth.2024.10>

The impact of surface currents and sea level on the wave field evolution during St. Jude storm in the eastern Baltic Sea

Viitak, Marii; Maljutenko, Ilja; **Alari, Victor**; Suursaar, Ülo; Rikka, Sander; Lagemaa, Priidik Oceanologia 2016 / p. 176-186 : ill

<https://doi.org/10.1016/j.oceano.2016.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The impact of surface currents on the wave climate in narrow fjords

Christakos, Konstantinos; **Björkqvist, Jan-Victor**; Breivik, Øyvind; Tuomi, Laura; Furevik, Birgitte R.; Albrechtsen, Jon Ocean

Modelling 2021 / Art. 101894 <https://doi.org/10.1016/j.ocemod.2021.101894> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics](#)

[at WOS](#) [Article at WOS](#)

Numerical simulations of wave climate in the Baltic Sea: a review

Soomere, Tarmo Oceanologia 2023 / p. 117-140 <https://doi.org/10.1016/j.oceano.2022.01.004> [Journal metrics at Scopus](#) [Article at](#)

[Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Projected changes in wave conditions in the Baltic Sea by the end of 21st century and the corresponding shoreline changes

Suursaar, Ülo; Tõnisson, Hannes; **Alari, Victor; Raudsepp, Urmas**; Rästas, Henri; Anderson, Agnes Journal of coastal research

2016 / p. 1012-1016 <https://doi.org/10.2112/SI75-203.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings](#)

[at WOS](#) [Article at WOS](#)

Projected changes of the significant wave height in the Baltic Sea by the end of the 21th century

Alari, Victor; Rästas, Henri; Raudsepp, Urmas 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. 58 [http://www.bssc2015.lv/wp-](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

[content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

Simulation of wave damping near coast due to offshore wind farms

Alari, Victor; Raudsepp, Urmas Journal of coastal research 2012 / p. 143-148 : ill [https://bioone.org/journals/Journal-of-Coastal-](https://bioone.org/journals/Journal-of-Coastal-Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-Wind/10.2112/JCOASTRES-D-10-00054.1.short)

[Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-](https://bioone.org/journals/Journal-of-Coastal-Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-Wind/10.2112/JCOASTRES-D-10-00054.1.short)

[Wind/10.2112/JCOASTRES-D-10-00054.1.short](https://bioone.org/journals/Journal-of-Coastal-Research-JCR/volume-28/issue-1/JCOASTRES-D-10-00054.1/Simulation-of-Wave-Damping-Near-Coast-due-to-Offshore-Wind/10.2112/JCOASTRES-D-10-00054.1.short)

Spatiotemporal variability of wave climate in the Gulf of Riga

Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Giudici, Andrea; Männikus, Rain; Suursaar, Ülo; Viška, Maija; Soomere,

Tarmo Oceanologia 2024 / p. 56-77 : ill <https://doi.org/10.1016/j.oceano.2023.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

Wave energy potential in the seasonally ice-covered Baltic Sea based on a long-term hindcast

Alari, Victor; Björkqvist, Jan-Victor; Pärn, Ove 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for

the Baltic countries : abstract book : 12-15 June 2018 Klaipėda, Lithuania 2018 / p. 11 [http://balticvalley.lt/baltic2018/wp-](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

[content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)