

A simple approach to determine the stokes drift for the entire Baltic Sea

Lehmann, Andreas; **Didenkulova, Irina**; Höflich, Katharina 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. 57 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Advances in nonlinear wave research for hazard warning and mitigation

Didenkulova, Irina; Grimshaw, Roger; Slunyaev, Alexey; Tinti, Stefano Natural hazards 2016 / p. S431-S436
<https://doi.org/10.1007/s11069-016-2633-1> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of ship wake transformation in the coastal zone using time-frequency methods

Torsvik, Tomas; Herrmann, Heiko; Didenkulova, Irina; Rodin, Artem Proceedings of the Estonian Academy of Sciences 2015 / p. 379-388 : ill https://artiklid.elnet.ee/record=b2740572*est <https://doi.org/10.3176/proc.2015.3S.08> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analysis of the properties of fast ferry wakes in the context of coastal management = Kiirlaevalainete omaduste analüüs rannikualade haldamise kontekstis

Kurennoy, Dmitry 2009 <https://digi.lib.ttu.ee/i/?4448> https://www.ester.ee/record=b2508754*est

Analytical solutions and numerical modeling for a dam-break problem in inclined channels

Pelinovsky, Efim; Didenkulova, Irina; Didenkulov, Oleg; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-7153

Analytical solutions for tsunami waves generated by submarine landslides in narrow bays and channels

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2013 / p. 1661-1671 : ill <https://doi.org/10.1007/s00024-012-0510-8> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Analytical theory of nonlinear long wave runup on a coast

Didenkulova, Irina BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 132

Catalogue of rogue waves reported in media in 2006-2010

Nikolkina, Irina; Didenkulova, Irina Natural hazards 2012 / p. 989-1006 : ill
https://www.researchgate.net/publication/251398823_Catalogue_of_rogue_waves_reported_in_media_in_2006-2010

Characteristic properties of different vessel wake signals

Didenkulova, Irina; Sheremet, Alex; **Torsvik, Tomas; Soomere, Tarmo** Journal of coastal research 2013 / p. 213-218 : ill
<https://doi.org/10.2112/SI65-037> <https://bioone.org/journals/journal-of-coastal-research/volume-65/issue-sp1/SI65-037.1/Characteristic-properties-of-different-vessel-wake-signals/10.2112/SI65-037.1.short> Conference Proceedings at Scopus Article at Scopus

Comparison of dispersive and nondispersive models for wave run-up on a beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr Izvestiya, atmospheric and oceanic physics 2020 / p. 494-501 <https://doi.org/10.1134/S0001433820050023> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Crest-trough asymmetry of waves generated by high-speed ferries

Kurennoy, Dmitry; Didenkulova, Irina; Soomere, Tarmo Estonian journal of engineering 2009 / 3, p. 182-195 : ill

Dispersive and nondispersive nonlinear long wave transformations: numerical and experimental results

Torsvik, Tomas; Abdalazeez, Ahmed; Dutykh, Denys; Denissenko, Petr; **Didenkulova, Irina** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 41-60 https://doi.org/10.1007/978-3-030-29951-4_3
https://www.ester.ee/record=b5303400*est

Dispersive effects during long wave runup on a beach

Didenkulova, Irina; Abdalazeez, Ahmed; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-16378
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-16378.pdf>

Dispersive effects during long wave run-up on a plane beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Advances in Natural Hazards and Hydrological Risks : Meeting the Challenge : proceedings of the 2nd International Workshop on Natural Hazards (NATHAZ'19), Pico Island—Azores 2019 / p. 143-146 https://doi.org/10.1007/978-3-030-34397-2_28 Conference proceeding at Scopus Article at Scopus Article at WOS

Effect of asymmetry of incident wave on the maximum runup height

Didenkulova, Irina; Denissenko, Petr; **Rodin, Artem**; Pelinovsky, Efim Journal of coastal research 2013 / p. 207-212 : ill
<https://doi.org/10.2112/SI65-036> Conference Proceedings at Scopus Article at Scopus

Effects of wave asymmetry on its runup on a beach

Didenkulova, Irina; Denissenko, Petr; **Listak, Madis; Rodin, Artem**; Pelinovsky, Efim International Coastal Symposium 2013 :

Effects of wave asymmetry on its runup on a beach : theory and experiment

Didenkulova, Irina; Denissenko, Petr; **Rodin, Artem**; **Listak, Madis**; Pelinovsky, Efim International Conference Caribbean Waves 2 : Gosier, Guadeloupe, F.W.I., 22-25 January 2013 : conference program [and abstract book] 2013 / p. 103

Exact travelling wave solutions in strongly inhomogeneous media

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo** Estonian journal of engineering 2008 / 3, p. 220-231 : ill
https://artiklid.elnet.ee/record=b1022376*est

Experimental investigation of floating debris impact loading on structures during extreme waves like tsunami

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the 28th (2018) International Ocean and Polar Engineering Conference (ISOPE-2018) 2018 / ISOPE-I-18-070, 6 p [Experimental investigation... Conference proceedings at Scopus Article at Scopus](#)

Experimental measurements of statistics of long wave runup on a plane beach

Denissenko, Petr; **Didenkulova, Irina**; **Listak, Madis**; Pelinovsky, Efim International Coastal Symposium 2013 : book of abstracts : Plymouth University, 8–12 April 2013 2013 / p. 368

Experimental statistics of long wave runup on a plane beach

Denissenko, Petr; **Didenkulova, Irina**; **Rodin, Artem**; **Listak, Madis**; Pelinovsky, Efim Journal of coastal research 2013 / p. 195-200 : ill <https://doi.org/10.2112/SI65-034.1> [Conference Proceedings at Scopus Article at Scopus Conference Proceedings at WOS Article at WOS](#)

Experimental study of wave impact on the nearshore structures during extreme coastal floods

Sriram, Venkatachalam; **Didenkulova, Irina**; Pelinovsky, Efim; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-4240

Extreme inundation statistics on a composite beach

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys; Labart, Celine Water 2020 / art. 1573, 13 p. : ill
<https://doi.org/10.3390/w12061573> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Far-field vessel wakes in Tallinn Bay

Parnell, Kevin Ellis; **Delpeche, Nicole**; **Didenkulova, Irina**; **Dolphin, Tony**; **Erm, Ants**; **Kask, Andres**; **Kelpšaitė, Loreta**; **Kurennoy, Dmitry**; **Quak, Ewald**; **Räämet, Andrus**; **Soomere, Tarmo**; **Terentjeva, Anna**; **Torsvik, Tomas**; **Zaitseva-Pärmaste, Inga** Estonian journal of engineering 2008 / 4, p. 273-302 : ill

Freak waves in the sea coastal zone

Didenkulova, Irina IUGG 2019 : abstract book 2019 / [1] p., abstract: IUGG19-2598 <http://iugg2019montreal.com/abstract-book.html>

A hybrid numerical model based on FNPT-NS for the estimation of long wave run-up

Manoj Kumar, G.; Sriram, Venkatachalam; **Didenkulova, Irina** Ocean engineering 2020 / art. 107181
<https://doi.org/10.1016/j.oceaneng.2020.107181> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Identification of ship wake structures by a time–frequency method

Torsvik, Tomas; **Soomere, Tarmo**; **Didenkulova, Irina**; Sheremet, Alex Journal of fluid mechanics 2015 / p. 229-251 : ill
<https://doi.org/10.1017/jfm.2014.734> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Impact of flow-driven debris on coastal structure during tsunami Bore

Harish, S.; Sriram, V.; Sundar, V.; Sannasiraj, S.A.; **Didenkulova, Irina** Proceedings of the Fourth International Conference in Ocean Engineering (ICOE2018), vol. 2 2019 / p. 315-326 https://doi.org/10.1007/978-981-13-3134-3_24 [Conference proceedings metrics at Scopus Article at Scopus](#)

Implications of fast ferry wakes for semi-sheltered beaches

Soomere, Tarmo; **Didenkulova, Irina**; Parnell, Kevin Ellis BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 134

Implications of fast-ferry wakes for semi-sheltered beaches : a case study at Aegna Island, Baltic Sea

Soomere, Tarmo; Parnell, Kevin Ellis; **Didenkulova, Irina** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 128-132 : ill <https://www.jstor.org/stable/25737551>

Influence of the shape of the bay cross section on wave run-up

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim N.; Kurkin, Andrey Izvestiya - Atmospheric and Ocean Physics 2015 / p. 661 - 666 <https://doi.org/10.1134/S0001433815060055> [Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS](#)

Interaction of plankton with wave fields in the sea

Didenkulov, Igor; **Didenkulova, Irina**; Muyakshin, Sergey; Selivanovsky, Dmitry BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 186

Interfacial long traveling waves in a two-layer fluid with variable depth

Pelinovsky, Efim; Talipova, Tatyana; **Didenkulova, Irina**; Didenkulova, Ekaterina Studies in applied mathematics 2019 / p. 513-527
<https://doi.org/10.1111/sapm.12235> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Internal solitary waves control offshore extension of mud depocenters on the NW Iberian shelf

Zhang, Wenyan; **Didenkulova, Irina**; Kurkina, Oxana Marine geology 2019 / p. 15-30 : ill <https://doi.org/10.1016/j.margeo.2018.12.008>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laboratory modeling of resonance phenomena in the long wave dynamics

Abcha, Nizar; Pelinovsky, Efim; **Didenkulova, Irina** Nonlinear waves and pattern dynamics 2018 / p. 45-61 https://doi.org/10.1007/978-3-319-78193-8_2

Laboratory study of peculiarities of the freak-wave generation

Rodin, Artem; Tyugin, Dmitry; Kurkin, Andrey; Kurkina, Oxana; **Didenkulova, Irina** Geophysical research abstracts 2017 / p. EGU2017-1845-3

Lainepõhised ohud rannavööndis

Didenkulova, Irina Teadusmõtte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 103-115 : ill

Long surface wave dynamics along a convex bottom

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo** Journal of geophysical research 2009 / p. C07006 [14 p.] : ill
<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2008JC005027>

Long wave dynamics in the coastal zone = Pikkade lainete dünaamika rannavööndis

Didenkulova, Irina 2008 <https://digi.lib.ttu.ee/i/?230> https://www.ester.ee/record=b2394485*est

Long wave run-up on plane and “non-reflecting” slopes

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Fluid Dynamics 2018 / p. 402 - 408 <https://doi.org/10.1134/S0015462818030072>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Measurements of wave transformation in the coastal zone

Torsvik, Tomas; **Didenkulova, Irina**; Hemanth, V. V. S. S. R. 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. 53 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Mobility support and networking for women in STEM

Avellis, Giovanna; **Didenkulova, Irina** Geophysical research abstracts 2017 / p. EGU2017-809-2

New trends in the analytical theory of long sea wave runup

Didenkulova, Irina Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 265-296 : ill
https://link.springer.com/chapter/10.1007/978-3-642-00585-5_14

Nonlinear deformation and run-up of elongated solitary waves: numerical simulations and analytical predictions

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-10473
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-10473.pdf>

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys Natural hazards and earth system sciences 2019 / p. 2905–2913 : ill
<https://doi.org/10.5194/nhess-19-2905-2019> <https://nhess.copernicus.org/articles/19/2905/2019/> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys Innovations in minimization of natural and technological risks : abstracts of the first Eurasian conference "RISK -2019" : 22 - 24 May 2019, Baku, Azerbaijan 2019 / p. 102
<https://eurasianrisk2020.ge/uploads/RISK-2019/ABSTRACT%20BOOK%20EURASIAN%20RISK-2019.pdf>

Nonlinear interaction of large-amplitude unidirectional waves in shallow water

Didenkulova, Irina; Pelinovsky, Efim; **Rodin, Artem** Estonian journal of engineering 2011 / p. 289-300 : ill

Nonlinear wave effects at the non-reflecting beach

Didenkulova, Irina; Pelinovsky, Efim Nonlinear processes in geophysics 2012 / p. 1-8 : ill <https://npg.copernicus.org/articles/19/1/2012/>

Nonlinear wave run-up in bays of arbitrary cross-section : generalization of the Carrier–Greenspan approach

Rybkin, Alexei; Pelinovsky, Efim; Didenkulova, Irina Journal of fluid mechanics 2014 / p. 416-432 : ill <https://doi.org/10.1017/jfm.2014.197>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of unidirectional irregular nonlinear waves in the basin of intermediate depth

Slunyaev, Alexey; Sergeeva, Anna; Didenkulova, Irina Geophysical research abstracts 2016 / p. EGU2016-3303

Numerical study for run-up of breaking waves of different polarities on a sloping beach

Rodin, Artem; Didenkulova, Irina; Pelinovsky, Efim Extreme ocean waves. 2nd ed 2016 / p. 155-172 https://doi.org/10.1007/978-3-319-21575-4_9

On shallow water rogue wave formation in strongly inhomogeneous channels

Didenkulova, Irina; Pelinovsky, Efim Journal of physics A : mathematical and theoretical 2016 / art. 194001, p. 1-11 : ill
<https://doi.org/10.1088/1751-8113/49/19/194001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the occurrence of non-reflecting cross-shore profiles along Estonian coasts of the Baltic Sea

Didenkulova, Irina; Soomere, Tarmo; Pindsoo, Katri; Suuroja, Sten Estonian journal of engineering 2013 / p. 110-123 : ill
https://artiklid.elnet.ee/record=b2621591*est <https://doi.org/10.3176/eng.2013.2.02> [Article at Scopus](#)

Parameterization of run-up characteristics for long bell-shaped solitary waves propagating in a bay of parabolic cross-section

Didenkulov, Oleg; Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2015 / p. 234-239 : ill
<https://doi.org/10.3176/proc.2015.3.05> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Preface : New challenges for tsunami science : understanding tsunami processes to improve mitigation and enhance early warning

Hebert, Helene; Didenkulova, Irina; Hermann, M. Fritz; Papadopoulos, Gerassimos A. Natural hazards and earth system sciences 2016 / p. 1855-1857 <https://doi.org/10.5194/nhess-16-1855-2016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#)
[Article at WOS](#)

Progress in tsunami science in light of the 2004 and 2011 tsunamis

2015 https://www.nat-hazards-earth-syst-sci.net/special_issue209.html

Propagation and run-up of nonlinear solitary surface waves in shallow seas and coastal areas = Pikkade mittelineaarsete lainete dünaamika ja lainerünnak

Rodin, Artem 2015 https://www.ester.ee/record=b4467039*est

Reflectionless surface wave dynamics in channels of variable depth and width [Online resource]

Pelinovsky, Efim; Talipova, Tatyana; Didenkulova, Irina; Shurgalina, Ekaterina IUTAM Symposium Wind Waves : 4-8 September 2017, London, UK : abstracts 2017 / p. [28] https://www.ucl.ac.uk/math/events/other-events/iutam-symposium-wind-waves/abstracts_final

Reflectionless wave dynamics in channels of variable depth and width

Pelinovsky, Efim; Didenkulova, Irina; Shurgalina, Ekaterina Geophysical research abstracts 2017 / p. EGU2017-2977

Rogue events in spatiotemporal numerical simulations of unidirectional waves in basins of different depth

Slunyaev, Alexey; Sergeeva, Anna; Didenkulova, Irina Natural hazards 2016 / p. S549-S565 : ill <https://doi.org/10.1007/s11069-016-2430-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rogue waves in the basin of intermediate depth and the possibility of their formation due to the modulational instability

Didenkulova, Irina; Nikolkina, Irina; Pelinovsky, Efim JETP letters 2013 / p. 194-198 : ill <https://doi.org/10.1134/S0021364013040024>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runup characteristics of symmetrical solitary tsunami waves of "unknown" shapes

Didenkulova, Irina; Pelinovsky, Efim; Soomere, Tarmo Pure and applied geophysics 2008 / p. 2249-2264 : ill
<https://link.springer.com/article/10.1007/s00024-008-0425-6>

Run-up of a nonlinear monochromatic wave on a plane beach in presence of a tide

Didenkulova, Irina; Pelinovsky, Efim Oceanology 2019 / p. 478-481 : ill <https://doi.org/10.1134/S0001437019040027> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runup of long irregular waves on plane beach

Didenkulova, Irina; Pelinovsky, Efim; Sergeeva, Anna Extreme ocean waves. 2nd ed 2016 / p. 141-153 : ill
https://doi.org/10.1007/978-3-319-21575-4_8

Run-up of long solitary waves of different polarities on a plane beach

Didenkulova, Irina; Pelinovsky, Efim; Didenkulov, Igor Izvestiya, atmospheric and oceanic physics 2014 / p. 532-538 : ill
<https://doi.org/10.1134/S000143381405003X> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runup of nonlinear asymmetric waves on a plane beach

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo;** Zahibo, Narcisse Tsunami and nonlinear waves 2007 / p. 175-190 : ill
https://link.springer.com/chapter/10.1007/978-3-540-71256-5_8

Runup of nonlinear deformed waves on a beach [Electronic resource]

Didenkulova, Irina; Kurkin, Andrey; Pelinovsky, Efim; **Soomere, Tarmo;** Zahibo, Narcisse Geophysical research abstracts 2006 / Proc. European Geosciences Union (EGU) General Assamblee : Vienna, 4-8 April 2006, Paper 01453 [1] p. [CD-ROM]
https://www.researchgate.net/publication/277047102_Runup_of_nonlinear_deformed_waves_on_a_beach

Runup of nonlinear waves of different shapes on a plane beach including effects of dispersion and wave breaking = Laine dispersiooni ja murdumise mõju mittelineaarsete lainete uhtekõrgusele erineva kujuga lauetel randadel

Abdalazeez, Ahmed 2020 https://www.ester.ee/record=b5383220*est <https://digikogu.taltech.ee/et/Item/f270a84e-32a3-4b08-9717-4de9e57b59d1>

Run-up of surface waves on a sea wall built on a convex bottom profile

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Oceanology 2016 / p. 483-490 : ill <https://doi.org/10.1134/S0001437016030036>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Shallow water rogue wave formation in inhomogeneous channels

Pelinovsky, Efim; **Didenkulova, Irina** Geophysical research abstracts 2016 / EGU2016-1219

Shoaling and runup of long waves induced by high-speed ferries in Tallinn Bay

Didenkulova, Irina; Parnell, Kevin Ellis; **Soomere, Tarmo;** Pelinovsky, Efim; **Kurennoy, Dmitry** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume I, p. 491-495 : ill

Statistics for long irregular wave run-up on a plane beach from direct numerical simulations

Didenkulova, Irina; Senichev, Dmitry; Dutykh, Denys Geophysical research abstracts 2017 / p. EGU2017-19133

Statistics for long wave run-up on a slopping beach : theoretical predictions and experimental data

Didenkulova, Irina; Dutykh, Denys; Senichev, Dmitry 15th Plinius Conference on Mediterranean Risks : 8-11 June 2016, Giardini Naxos, Italy 2016 / p. 15-38

Subharmonic resonant excitation of edge waves by breaking surface waves

Abcha, Nizar; Zhang, Tonglei; Ezersky, Alexander; Pelinovsky, Efim; **Didenkulova, Irina** Nonlinear processes in geophysics 2017 / p. 157-165 : ill <https://doi.org/10.5194/npg-24-157-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Global Tsunami Model (GTM)

Løvholt, Finn; Thio, Hong Kie; Harbitz, Carl Bonnevie; **Didenkulova, Irina** AGU Fall Meeting : San Francisco, 12-16 December 2016 2016 / p. NH52A-04

The run-up of nonlinearly deformed sea waves on the coast of a bay with a parabolic cross-section

Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Moscow University physics bulletin 2016 / p. 323-328 : ill
<https://doi.org/10.3103/S0027134916030048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The transformation and run-up of long breaking solitary waves of various polarities on a sloping beach

Rodin, Artem; **Didenkulova, Irina;** Pelinovsky, Efim 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. 204 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Three-dimensional tsunami runup simulation for the port of Koborinai on the Sanriku coast of Japan

Kim, Dong Chule; Kim, Kyeong Ok; Pelinovsky, Efim; **Didenkulova, Irina;** Choi, Byung Ho Journal of coastal research 2013 / p. 266-271 : ill <https://doi.org/10.2112/SI65-046> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Transformation of an irregular wave field along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill
<https://doi.org/10.3176/proc.2013.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Travelling water waves along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 166-171 : ill

Tsunami evolution and run-up in a large scale experimental facility

Sriram, Venkatachalam; **Didenkulova, Irina;** Sergeeva, Anna; Schimmels, Stefan Coastal engineering 2016 / p. 1-12 : ill

Tsunami generation in a large scale experimental facility

Schimmels, Stefan; Sriram, Venkatachalam; **Didenkulova, Irina** Coastal engineering 2016 / p. 32-41 : ill

<https://doi.org/10.1016/j.coastaleng.2015.12.005> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami runup in narrow bays : the case of Samoa 2009 tsunami

Didenkulova, Irina Natural hazards 2013 / p. 1629-1636 : ill <https://doi.org/10.1007/s11069-012-0435-7> Journal metrics at Scopus

Article at Scopus Journal metrics at WOS Article at WOS

Tsunami run-up on a plane beach in a tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2020 / p. 1583-1593 : ill <https://doi.org/10.1007/s00024-019-02332-y>

Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Tsunami wave run-up on a vertical wall in tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2018 / p. 1387-1391 <https://doi.org/10.1007/s00024-017-1744-2>

Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

A typical wave wake from high-speed vessels : its group structure and run-up

Didenkulova, Irina; Rodin, Artem Nonlinear processes in geophysics 2013 / p. 179-188 : ill <https://doi.org/10.5194/npg-20-179-2013>

Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Variability in spatial patterns of long nonlinear waves from fast ferries in Tallinn Bay

Torsvik, Tomas; **Didenkulova, Irina**; Soomere, Tarmo; Parnell, Kevin Ellis Nonlinear processes in geophysics 2009 / p. 3510363 :

ill <https://npg.copernicus.org/articles/16/351/2009/>

Wave climate in Lake Peipsi

Nikolkina, Irina; Soomere, Tarmo; **Didenkulova, Irina** Journal of coastal research 2013 / p. 2035-2040 : ill

<https://doi.org/10.2112/SI65-344> Conference Proceedings at Scopus Article at Scopus

Wave dynamics in the channels of variable cross-section

Pelinovsky, Efim; **Didenkulova, Irina**; Shurgalina, Ekaterina Physical oceanography 2017 / p. 19-27 : ill

<http://dx.doi.org/10.22449/1573-160X-2017-3-19-27>

Weakly reflecting waves in narrow bays

Didenkulova, Irina; Pelinovsky, Efim BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 184

Аналитические решения и численное моделирование задачи разрушения плотины в наклонных каналах

Pelinovsky, Efim; Rodin, Artem; Didenkulov, Oleg; **Didenkulova, Irina** XXII Международная научно-техническая конференция

"Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 436

Безотражательное распространение волн в сильно неоднородных средах

Pelinovsky, Efim; Shurgalina, Ekaterina; **Didenkulova, Irina** Неравновесные процессы в сплошных средах : материалы международного симпозиума. Том 2 2017 / с. 131-135

Волны-убийцы : наблюдения и механизмы возбуждения

Didenkulova, Irina Природные катастрофы : изучение, мониторинг, прогноз : VI Сахалинская молодежная научная школа : 3-8 октября 2016 г., г. Южно-Сахалинск, Россия : сборник материалов 2016 / с. 26-29 : ил

<https://drive.google.com/file/d/0B0WS5U73LMHjaI83TDgzUTdjaig/view>

Динамика волн в каналах переменного сечения

Pelinovsky, Efim; **Didenkulova, Irina**; Shurgalina, Ekaterina Морской гидрофизический журнал 2017 / с. 22-31

Изучение статистики наката случайных волн на берег на основе прямого численного моделирования

Senitšev, Dmitri; **Didenkulova, Irina**; Dutykh, Denys Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 1001-1006

Изучение экстремальных заплесков волн на берег в рамках нелинейных уравнений теории мелкой воды

Senitšev, D.; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 437

Моделирование внутренних волн на северо-западном побережье Пиринейского полуострова

Röbin, A.; **Didenkulova, Irina**; Ruvinskaja, E. XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 422

Накат волны цунами на вертикальную стенку в присутствии прилива

Didenkulova, Irina; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 911-915

Накат длинных волн на берег в бухте параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 905-910

Накат нелинейно деформированных морских волн на берег бухты параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Вестник Московского Университета. Серия 3, Физика. Астрономия 2016 / с. 84-89 : ил <http://vmu.phys.msu.ru/file/2016/3/16-3-84.pdf>

Накат нелинейной монохроматической волны на плоский откос в присутствии прилива

Didenkulova, Irina; Pelinovsky, Efim Океанология 2019 / с. 529–532 : ил <https://doi.org/10.31857/S0030-1574594529-532>

Накат поверхностных волн на стенку, установленную на выпуклом донном профиле

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Океанология 2016 / с. 529-536 <https://doi.org/10.7868/S0030157416030035>

Параметризация характеристик наката одиночных волн в бухте параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina**; Pelinovsky, Efim Труды Нижегородского государственного технического университета им. Р.Е. Алексеева 2014 / с. 30-36 : ил <https://www.nntu.ru/frontend/web/ngtu/files/nauka/izdaniya/trudy/2014/03/030-036.pdf>

Простейшие математические модели морских природных катастроф в прибрежной зоне моря = Simple mathematical models for marine hazards in the coastal zone

Didenkulova, Irina Сборник тезисов участников форума "Наука будущего - наука молодых" - Казань, 2016. Том 1 2016 / с. 296

Сравнение дисперсионной и бездисперсионной моделей наката длинных волн на берег

Abdalazeez, Ahmed; **Didenkulova, Irina**; Dutykh, Denys; Denissenko, Petr Известия РАН. Физика атмосферы и океана 2020 / с. 567-574 <https://doi.org/10.31857/S0002351520050028>

Экспериментальное исследование воздействия волн на прибрежные сооружения при экстремальных наводнениях

Rodin, Artem; Didenkulov, Oleg; Sergeeva, Anna; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 421