CURRICULUM VITAE

Prof. Efim Pelinovsky

17 October 2013

Birth: 1945, July 12, Kemerovo, Russia (USSR).
Marital status: Married (1966), two children:
Dr. Dmitry Pelinovsky (1969) - Professor of Mathematics, McMaster University, Hamilton, Canada,
Dr. Nataly Pelinovskaya (1977) – Researcher, SEREGE, Aix-en-Provence, France.

Five grandchildren: Marta (1990), Polina (1993), Albert (2002), Roman (2006) and Edward (2006).

AFFILIATION:

Department of Nonlinear Geophysical Processes, Institute of Applied Physics, 46 Uljanov Street, 603950, GSP-120 Nizhny Novgorod, Russia.

Applied Mathematics Department, Nizhny Novgorod State Technical University, 24 Minin Street, 603950 Nizhny Novgorod, Russia.

Department of Information Systems, Nizhny Novgorod Branch of Higher School of Economics, 25 B. Pechorkaya Street, 603155 Nizhny Novgorod, Russia.

Special Research Bureau for Automation of Marine Researches, Far Eastern Branch of Russian Academy of Sciences, 25 Gorky Str., 693013 Yuzhno-Sakhalinsk, Russia

Phone: +7-831-4164839 (IAP), 4320042 (home), +7-9103984194 (mobile); Fax: +7-831-4365976
E-mail: Pelinovsky@hydro.appl.sci-nnov.ru; epelinovskiy@hse.ru; pelinovsky@gmail.com
URL: http://www.ipfran.ru/pp/Pelinovsky/ http://www.hse.ru/org/persons/25372803

STATUS:

- Chief Scientist, Department of Nonlinear Geophysical Processes, Institute of Applied Physics (full-time position).
- Professor, Applied Mathematics Department, Nizhny Novgorod State Technical University (part-time position).
- Professor, Department of Information Systems, Nizhny Novgorod Branch of High School of Economics (part-time position)
- Scientist, Special Research Bureau for Automation of Marine Researches, Far Eastern Branch of Russian Academy of Sciences, Yuzhno-Sakhalinsk (part-time position)

EDUCATION:

1972. Candidate of Science (PhD), Physics and Mathematics (Radiophysics), Gorky State University, Gorky (now Nizhny Novgorod), Russia.
Ph.D. Thesis: Non-sinusoidal Waves in Nonlinear Dispersive Media.
1969. Diploma with distinction (M.S.), Physics and Mathematics (Radiophysics), Gorky State University, Gorky, Russia.
M.S. Thesis: Generalised Variational Principle for Nonlinear Waves in Dispersive Media.
1963. Diploma with distinction (Electro-technique), Technical College, Dzerzhinsk, Russia.

ACADEMIC QUALIFICATION:

2007. Fellow of the Russian Academy of Natural Sciences (elected).

1996. Corresponding Member of the Russian Academy of Natural Sciences (elected).

1989. Professor in Applied Mathematics, Russian Ministry of High Education.

1981. Doctor of Science (Highest Scientific Degree in Russia), Physics and Mathematics (Physical Oceanography - Oceanology), P.P.Shirshov Institute of Oceanology, Moscow, Russia.
D.Sc. Thesis: Nonlinear Dynamics of Tsunami Waves.

ACADEMIC APPOINTMENTS:

2005-now. Chief Scientist, Institute of Applied Physics, Nizhny Novgorod, Russia.

1998-2005. Head of Laboratory of Hydrophysics and Nonlinear Acoustics, Institute of Applied Physics.

1977-1998. Chief/Head/Senior Scientist, Institute of Applied Physics.

1972-1977. Associate/Assistant Scientist, Scientific Research Radiophysical Institute, Gorky.

1970-1972. Assistant Scientist, Gorky State University, Gorky (now – Nizhny Novgorod).

HONORS:

2012 **Award of Int. Tsunami Society.** Presented for Outstanding and Original Contributions to Tsunami Research. http://www.tsunamisociety.org/AwardsRecognition.html

2007. **Honoured Worker of Science and Education**. Awarded by the Russian Academy of Natural Sciences

2006. **The EGU Sergey Soloviev Medal.** Awarded by the European Geosciences Union
"In recognition of his world leadership in predicting the consequences of tsunamis and rogue waves, and in the avoidance and mitigation of these severe natural hazards"
http://www.copernicus.org/EGU/awards/medallists/_2006/sergey_soloviev.html

2006. **Vernadsky's Medal**. Awarded by the Russian Academy of Natural Sciences "In outstanding contribution to national science".

1999. **The George Soros Professor.** Awarded by International Soros Science Education Program.
"In recognition and appreciation of outstanding contributions to world science and science education".

1997. **The State Prize of the Russian Federation** in Science and Engineering (former Lenin Prize)
"Study of Intense Noise Waves and Nonlinear Structures in Non-Dispersive Media"

1996. **The International Science Foundation Prize.**
"Best Popular Scientific Paper: Solitons in Water"

1993-2001. Russian State Grant for Distinguished Scientists

1993. **The William Mansfield Adams Award** (The International Natural Hazards Society).
"In Recognition of Outstanding Long-Term Contributions to Tsunami Research"

1991. **The Nekashizuka Award** (The International Tsunami Society).
"Best Papers Presented on Tsunami Research"

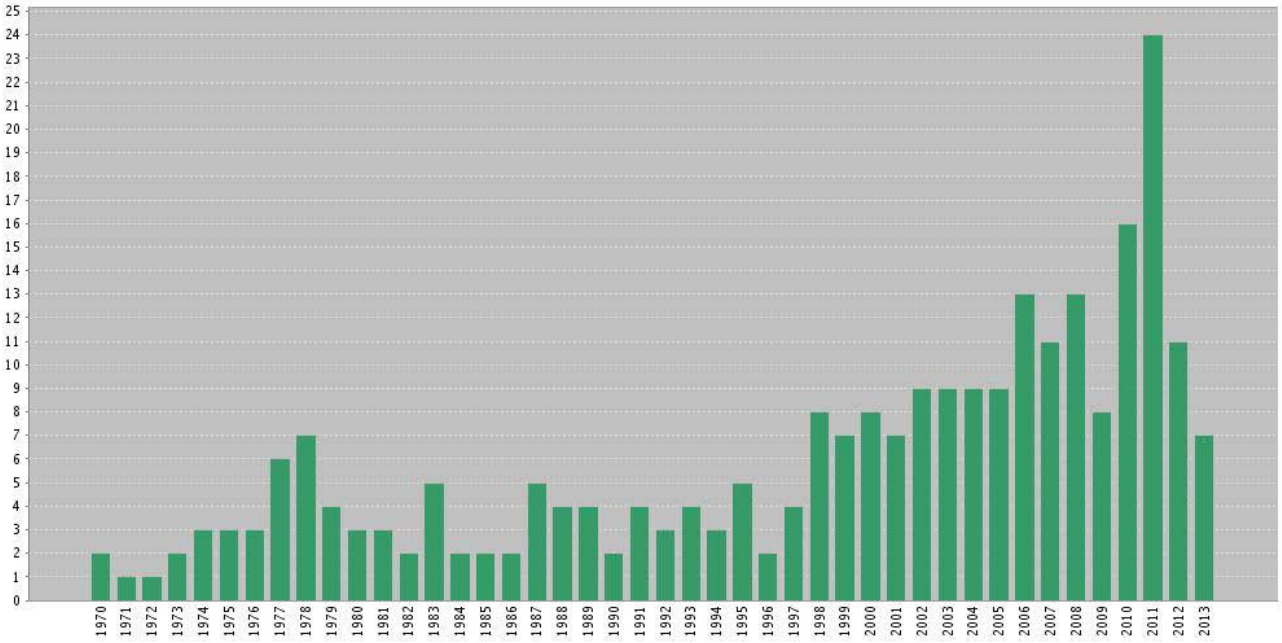
1985. **The State Medal** (USSR).
"Contribution in the Science"

RESEARCH INTERESTS:

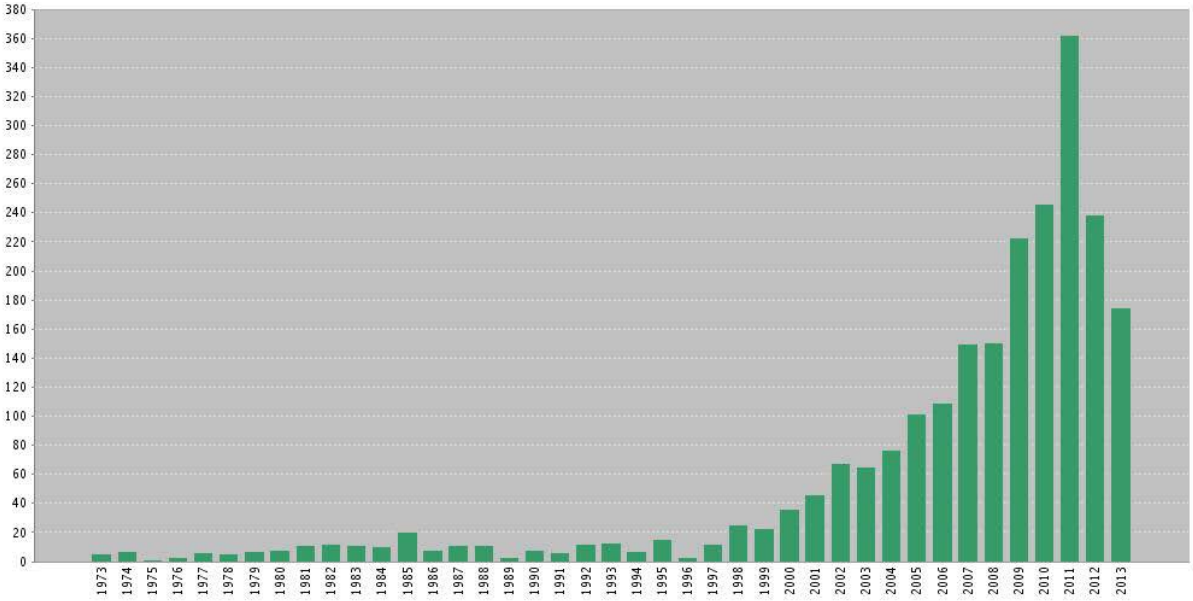
- Nonlinear Waves, Waves in Random Media, Nonlinear Evolution Equations, Asymptotic Methods.
- Ocean and Atmospheric Waves, Space Oceanography, Dynamics of Coastal Zone, Pollutant Dynamics.
- Natural Hazards, Earthquakes, Tsunamis, Floods, Freak Waves.

LIST OF PUBLICATIONS: *(total 500 –separated file) h – index:* ***23*** *(15 August 2013)*

Publications in year



Citations in year



EDITORIAL BOARDS:

- Co-Editor for Int. “Open Oceanography Journal” (Bentham Science Publishers), 2011-.
- Member of the Editorial Board for “Izvestiya, Atmospheric and Oceanic Physics” (Maik/Springer), 2012-
- Member of the Editorial Board for “Fundamental and Applied Hydrophysics” (St Petersburg, Russia), 2009-
- Member of Editorial Board for Springer Book Series “Advances in Geophysical and Environmental Mathematics and Mechanics”, 2006-2013,
- Member of the Editorial Board for Int. J. "Natural Hazards" (Kluwer/Springer), 1994-2010.
- Member of the Editorial Board for “Journal of Korean Society of Coastal and Ocean Engineers”, 2003-2006.
- Member of the Editorial Board for “Izvestiya, Russian Academy of Engineering Sciences”, 2000-2003.
- Member of the Int. Advisory Board of "Bulletin of the Russian Academy of Sciences. Physics of Vibrations", Allerton Press, Inc., 1992 - 1998.

PROFESSIONAL ACTIVITIES:

- Chairman, Soloviev’s Medal Committee, European Geophysical Union, 2010-2014.
- Member of the IUGG Tsunami Commission (1995-).
- IAPSO representative in Int. Tsunami Commission (2012-)
- Secretary of the EGU Sea and Ocean Hazards Section (2000-2007).
- Expert of Russian Ministry of Education and Science. Certificate No. 06-01801 of 18.07.2012
- INTAS Expert (1997-2006).

- Member of Oceanographic Section of National (Russia) Geophysical Committee (2007-).
- Member of the Russian Tsunami Commission (1993-).
- Member of the Expert Council of the Russian Foundation for Basic Research (National Science Foundation) (1996-2000).
- Member of the Nonlinear Dynamics Council of the Russian Academy of Sciences (1987-1998).
- Member of the Institute Senate (1999-2003).
- Guest Editor for Natural Hazards and Earth System Sciences (2001, 2003, 2006, 2010, 2011, 2012), Marine Geology (2005), European J Mechanics (2006), Nonlinear Processes in Geophysics (2009, 2011, 2012), European Physical Journal (2010), Open Oceanography J (2010), Fundamental and Applied Hydrophysics (2010, 2011, 2013).
- Reviewer of Physica D; Physical Letters A; Proc. Royal Soc. London; J Nonlinear Mathematical Physics; SIAM Applied Math., Applied Mathematical Modelling; J Eng Mathematics; J Fluid Mechanics; European J of Mechanics; Nonlinear Processes in Geophysics; Geophysical Research Letters; J. Geophysical Research; Geophys. Int. J; J Phys. Oceanography; Ocean Modelling; Annales Geophysicae, Physics and Chemistry of the Earth; Natural Hazards, Natural Hazards and Earth System Sciences, Pure and Applied Geophysics, ISET Journal of Earthquake Technology, Marine Geology; Geo-Marine Letters; Ocean Engineering; Applied Ocean Research and national journals: JETP; Oceanology; Izvestiya, Atmospheric and Oceanic Physics; Radiophysics and Quantum Electronics, Fundamental and Applied Hydrophysics.

CONVENER and MEMBER of INT. ORG. COMMITTEES (2008-):

- Co-convener, Session “Tsunamis”, EGS/EGU Assemblies, Vienna, Austria, April 2008, April 2009.
- Convener, Session “Extreme Waves”, EGU General Assembly, Vienna, Austria, April 2008; April 2009; May 2010; April 2011; April 2012, April 2013.
- Member of Advisor Board of Conference on Marine Problems and Specific Solutions (COMPASS). Maldives, June 2008.
- Member of Program Com., Int. Tsunami Symposium, Novosibirsk, Russia, July 2009.
- Co-convener, Session “Nonlinear Dynamics of Coastal Zone”, AOGS, Singapore, August 2009.
- Member of Sci. Committee of French – Russian Colloquium "Mechanics and environmental problems”, 19th French Congress in Mechanics, Marseille, France, August 2009.
- Member of Scientific Committee of Int. Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region. 500th Anniversary Year of the 1509 September 10, Marmara Earthquake, Istanbul, Turkey, September 2009.
- Member of Steering Com., SCSTW3: South China Sea Tsunami Workshop 3, Malaysia, November 2009.
- Chair of Mini-Symposium “Rogue Waves in Nature” and Member of Program Committee, IV Int. Conf. “Frontiers of Nonlinear Physics”, Nizhny Novgorod, Russia, July 2010.
- Co-convener, Session “Nonlinear Dynamics of Coastal Zone”, European Geosciences Union, Vienna, Austria, April 2011, April 2012, April 2013.

- Co-organisator, Int. Workshop: The Mathematics of Extreme Sea Waves: Tsunamis, Rogue Waves and Flooding. Fields Institute of Mathematics, Toronto, Canada, June 2011.
- Scientific Organizator, Int. Workshop on Rogue Waves. Max Planck Institut fur Physik Komplexer Systeme, Dresden, Germany, November 2011.
- Scientific Coordinator, Int. Workshop "Wave Interaction 2012", Johannes Kepler University, Linz, Austria, February 2012.
- Co-organisator, Int. Programme: The Mathematics of Extreme Sea Waves. Fields Institute for Mathematical Sciences, Toronto, Canada, 29 April – 28 June 2013.
- Member of Scientific Committee of International Tsunami Symposium, Fethiye – Göcek, Turkey, 25-28 September 2013.

MEMBERSHIP IN SCI. SOCIETIES:

- International Tsunami Society,
- American Geophysical Union,
- Coastal Education Research Foundation,
- Russian Academy of Natural Sciences (elected).

TEACHING APPOINTMENTS IN RUSSIA:

2012 – 2013. Professor, Sakhalin Branch of Far East Federal University, Yuzhno-Sakhalinsk.

2010-now. Professor, Higher School of Economics, Nizhny Novgorod.

1985-now. Professor in Applied Mathematics, Nizhny Novgorod State Technical University.

1997. Visiting Professor in Theoretical Physics, Nizhny Novgorod State University.

1996. Visiting Professor in Engineering Ecology, Moscow State Technological University.

1989. Visiting Professor in Oceanography, Leningrad Hydrometeorological Institute.

1983. Visiting Professor in Theoretical Physics, Far - East University, Vladivostok.

1975-1977. Senior Lecturer in Radiophysics, Gorky Polytechnical Institute.

TEACHING EXPERIENCE in Russia and abroad:

Higher School of Economics

- System Analysis (2010-)
- Risk Evaluation of Natural Hazards (2011) for Ms Students

Nizhny Novgorod State Technical University (former Gorky Polytechnical Institute):

- Mathematical Methods in Hazard Assessment (1999-),
- Mathematical Modelling in Environments (2000-) for Ms Students
- Physical Oceanography (1998),
- Fluid Mechanics (1997-1999),
- Mathematical Physics (1996-1998),
- Advanced Mathematics (1985-1997),
- Differential Equations (1989-1993),
- Generalized Functions (1985-1989),
- Nonlinear Waves (1975-1977),
- Asymptotic Methods (1986-1991).

Ecole Centrale Marseille (Marseille, France)

- Fluid Dynamics (2009)

Loughbourough University, Loughborough, UK

- Nonlinear Waves and Marine Natural Hazards (2008-2009)

Universite des Antilles et de la Guyane, Pointe-a-Pitre, Guadeloupe (French West Indies)

- Fluid Dynamics (2006-2008)
- Energy from Waves (2006-2007)

University of Western Australia and Curtin University of Technology (Perth, Australia)

- Marine Natural Hazards (2006)

Ecole Généraliste d'Ingénieurs de Marseille (Marseille, France):

- Tsunami Hydrodynamics (2005)

Ecole Superiere de Mecanique, IMT - Technopole de Chateau - Gombert (Marseille, France):

- Module "Ocean" (2000 - 2003).

European Summer School "Waves in Geophysics" (Udine, Italy)

- Tsunami Hydrodynamics (2005)

Training Course on South Pacific Sea Level Monitoring Project (Adelaide, Australia):

- Tsunamis in Pacific (1997, 1998).

Nizhny Novgorod State University (Russia):

- Fluid Dynamics (1997).

Moscow State Technological University (Russia):

- Theory of Hazards and Accidences and Their Prediction (1996).

Israel Institute of Technology (Haifa, Israel):

- Water Waves (1994).

Tel-Aviv University (Tel-Aviv, Israel):

- Ocean Dynamics (1994).

Seoul National University (Korea):

- Nonlinear Dynamics of Coastal Zone (1993).

Institute of Hydroengineering (Gdansk, Poland):

- Nonlinear Dynamics of Coastal Zone (1989, 1990).

Leningrad Hydrometeorological Institute (Russia):

- Ocean Waves (1989).

Far - East State University (Vladivostok, Russia).

- Nonlinear Oscillations and Waves (1983).

Author of Textbook on Ocean Dynamics for Students, 1992. This textbook is recommended by the Russian Ministry of High Education.

Author of Manuals on Solitons of Envelope Waves in Media with Strong Dispersion (1988), on Mathematical Simulation of Environmental Catastrophes (2000, 2002), on Freak and Tsunami Waves (2001-2003), on Coastal Zone (2001-2003).

VISITING APPOINTMENTS ABROAD, 2008 -2013

- Mediterranean Institute of Oceanography, Universite du Sud – Toulon – Var, France, July 2013.
- Department of Mathematics and Statistics, University of Alaska, Fairbanks, USA, June 2013.
- Institute for Analysis, J Kepler University, Linz, Austria, February – April 2013.
- University of Caen, France, January 2013.
- Korea Institute of Ocean Science and Technology, Ansan, Korea. August 2012
- Department of Mathematical Sciences, Loughborough University, UK, April 2012.
- Department of Civil Engineering, University of Western Australia, Perth, Australia, July 2011.
- Department of Physics, Universite des Antilles et de la Guyane, Pointe-a-Pitre, Guadeloupe (French West Indies). January – April 2011.
- Department of Mathematical Sciences, Loughborough University, UK, October 2010.
- Institut de Recherche sur les Phenomenes Hors Equilibre, Universite de la Mediterranee, Marseille, France, April - June 2010.
- Department of Physics, Universite des Antilles et de la Guyane, Pointe-a-Pitre, Guadeloupe (French West Indies). December 2009 – March 2010.
- Ecole Centrale de Marseille, Marseille, France, August - October 2009.
- Leverhulme Visiting Professor, Department of Mathematical Sciences, Loughborough University, UK, April – July 2009.
- Department of Physics, Universite des Antilles et de la Guyane, Pointe-a-Pitre, Guadeloupe (French West Indies). November 2008 – February 2009.
- Leverhulme Visiting Professor, Department of Mathematical Sciences, Loughborough University, UK, May – October 2008.
- Institute of Cybernetics, Tallinn University of Technology, Tallinn, Estonia, May 2008.
- Department of Physics, Universite des Antilles et de la Guyane, Pointe-a-Pitre, Guadeloupe (French West Indies). November 2007 – March 2008.

CONFERENCES AND WORKSHOPS, 2008 - 2013

- IAHS - IAPSO - IASPEI Joint Assembly. 22-26 July 2013. Gothenburg, Sweden.
- Thematic Program on the Mathematics of Ocean. May – June 2013, Fields Institute for Mathematical Sciences. Toronto, Canada.
- Int. Workshop: Extreme Events, Hanover, Germany, February 2013.
- Workshop on problems of Russian Tsunami Warning Systems. Novosibirsk, Russia, October 2012.
- 5th International Tsunami Symposium, Ispra, Italy, September 2012.
- VI Int. Conf. "Solitons, Collapses and Turbulence: achievements, developments and perspectives". Akademgorodok, Russia, June 2012
- XI National Conference “Applied Problems of Hydro-acoustics and Hydro-physics”, St Peterburg, Russia, May 2012.
- 9th General Assembly of European Geosciences Union, Vienna, Austria, April 2012
- Wave Interactions-2012. JK University, Linz, Austria, 8-11 February 2012.

- Int Workshop on Rogue Waves, Max Plank Institut fur Physik Komplexer Systeme, Dresden, Germany, November 2011.
- IUGG General Assembly, Melbourne, Australia, June 2011.
- The Mathematics of Extreme Sea Waves: Tsunamis, Rogue Waves and Flooding. Fields Institute of Mathematics, Toronto, Canada, June 2011.
- 8th General Assembly of European Geosciences Union, Vienna, Austria, April 2011
- 19ème Conférence Géologique de la Caraïbe, Gosier, Guadeloupe, March 2011.
- Int. Workshop on anomalous waves in the ocean, 2010. National Cheng Kung University, Tainan, Taiwan, 29 Nov – 1 Dec. 2010.
- IV Int. Conference "Frontiers of Nonlinear Physics", Nizhny Novgorod, Russia, July 2010.
- National School: Natural catastrophes: study, monitoring, forecast. Yuzhno-Sakhalinsk, Russia, June 2010.
- Colloque Franco Allemand ouvert a l'Europe du Nord "Environnement, Risques et Energies Renouvelables", Marseille, France, June 2010.
- 10th National conference "Applied Technologies of hydro-acoustics and hydro-physics". St Petersburg, Russia, May 2010.
- 7th General Assembly of European Geosciences Union, Vienna, Austria, May 2010
- Int. Conference "Mode Conversion, Coherent Structures and Turbulence", Moscow, November 2009.
- Int. Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region (500th Anniversary Year of the 1509 September 10, Marmara Earthquake), Istanbul, Turkey, September 2009.
- 19th French Congress in Mechanics, Marseille, France, August 2009.
- 6th Annual Meeting Asia Oceania Geoscience Society, Singapore, August 2009.
- 5th Int. Conf. "Solitons, Collapses and Turbulence". Chernogolovka, Russia, August 2009.
- Int. Tsunami Symposium, Novosibirsk, July 2009.
- 6th General Assembly of European Geosciences Union, Vienna, Austria, April 2009.
- CPNLW09 "Solitons in their Roaring Forties", Nice, France, January 2009.
- National Nonlinear Dynamics Workshop, Moscow, Russia, December 2008; December 2009.
- First Int. Workshop "Caribbean Waves", Gosier, Guadeloupe, December 2008.
- Scottish-Norwegian Workshop on internal waves, Oslo, Norway, October 2008.
- Int. Workshop "Waves in Fluids", Paraty, Brazil, August 2008.
- SIAM Conference on Nonlinear Waves and Coherent Structures, Rome, Italy, July 2008.
- Workshop "Wave-flow interaction", Keele, UK, June 2008.
- Conference on Marine Problems and Specific Solutions (COMPASS). Maldives, June 2008.
- 5th General Assembly of European Geosciences Union, Vienna, Austria, April 2008.
- National Scientific School "Nonlinear Waves – 2008". Nizhny Novgorod, Russia, March 2008.
- First Latin American and Caribbean Congress of Theoretical and Applied Mechanics. Port of Spain, Trinidad and Tobacco, February, 2008.

SEMINARS, 2008 - 2013

- Geophysical Institute, University of Alaska, Fairbanks, USA, 2013.
- Alaska Tsunami Warning Center, 2013, Anchorage, USA
- University of Le Havre France, 2013.
- University of Caen. France, 2013.
- Tel-Aviv University, Israel, 2012.

- Ocean Institute, University of Western Australia, Perth, Australia, 2011.
- Geophysical Department, Curtin University, Perth, Australia, 2011.
- Physics and Mathematics of Tsunamis. Holon Institute of Technology, Holon, Israel, 2011.
- Dep. Mathematical Sciences, Loughborough University, Loughborough, UK, 2010.
- Department of Engineering, University of Warwick, Coventry, UK, 2010.
- Math Dep., University of Reading, UK, 2010.
- Math Dep., University of Plymouth, UK, 2010.
- Math Dep., University College London. UK, 2010.
- Department of Physics, University of Antilles, Pointe-a-Pitre, Guadeloupe, 2010.
- Laboratoire Gevrey Mathematique Physique, Universite de Bourgogne, Dijon, France, 2009.
- Ecole Centrale de Lyon, Lyon, France, 2009.
- Institut de Recherche sur les Phenomenes Hors Equilibre, Université de la Mediterranee, Marseille, France, 2009.
- Department of Physical Geography, University of Blaise Pascal, Clermont-Ferrand, France, 2009.
- Department of Engineering, University of Warwick, Coventry, UK, 2009.
- Dep. Mathematical Sciences, Loughborough University, Loughborough, UK, 2009.
- Department of Applied Mathematics, University of Waterloo, Waterloo, Canada, 2009.
- Department of Mathematics, McMaster University, Hamilton, Canada, 2009.
- Dep. Geography, Hull University, Hull, UK, 2008
- Dep. Mathematics, University of East Anglia, Norwich, UK, 2008.
- Institute of Cybernetics, Tallinn University of Technology, Tallinn, Estonia, 2008.
- Dep. Mathematical Sciences, Loughborough University, Loughborough, UK, 2008.
- Institut fur Strömungsmechanik und Wärmeübertragung, Technischen Universität Wien, Vienna, Austria, 2008.
- Department of Mathematics, University of Antilles, Pointe-a-Pitre, Guadeloupe, 2008.
- Department of Mathematics, McMaster University, Hamilton, Canada, 2008.

SUPERVISION OF Ph.D. THESES (21):

1. Shavratsky S.Kh. Transformation and Breaking of Steady - State Waves in Nonlinear Dispersive Media (Radiophysics). Gorky State University, Gorky, 1977 (together with Prof. A.N. Malakhov).
2. Ermakov S.A. Statistical Effects at Internal Wave Propagation in the Ocean (Geophysics). Marine Hydrophysical Institute, USSR Academy of Sciences, Sevastopol, 1981. He has got highest degree in Russia, Dr. Sci. in 2008.
3. Mazova R.Kh. The Theory of Climbing of Non–Breaking Tsunami on a Beach (Oceanology). Institute of Oceanology, USSR Academy of Sciences, Moscow, 1984. She has got Dr. Sci. in 2007.

4. Klevanny K.A. The Dissipation Influence on Tsunami Propagation and Run-Up (Oceanology). Arctic and Antarctic Scientific Research Institute, Leningrad, 1985. He has got Dr. Sci. in 2000.
5. Dolina I.S. Applied Hydrodynamics of Internal Waves (Oceanology). Arctic and Antarctic Scientific Research Institute, Leningrad, 1985.
6. Mirchina N.R. Influence of Nonlinear and Dispersive Effects on the Propagation of Tsunami Waves (Oceanology). Arctic and Antarctic Scientific Research Institute, Leningrad, 1987.
7. Shevchenko G.V. Influence of Ocean Topography on Generation and Dissipation of Long Waves on Shelf (Oceanology). Pacific Institute of Oceanology, USSR Academy of Sciences, Vladivostok, 1987. He has got Dr. Sci degree in 2006.
8. Talipova T.G. Elasticity Properties of Sea Surface Active Films and Their Influence on Wind Waves (Geophysics). Institute of Applied Physics, USSR Academy of Sciences, Gorky, 1989. She has got Dr. Sci Degree in 2004 under my supervision. Dr. Sci. Thesis "Dynamics of long nonlinear internal waves in stratified fluid".
9. Kochergin I.E. Methods of Tsunami Parameter Calculations (Oceanology). Pacific Institute of Oceanology, USSR Academy of Sciences, Vladivostok, 1990.
10. Kurkin A.A. Study of the nonlinear interaction of the waves in the rotating ocean by Hamilton formalism method (Oceanology). Institute of Oceanology, Russian Academy of Sciences, Moscow, 1999. He has got Dr. Sci Degree in 2005 under my supervision. Dr. Sci. Thesis "Nonlinear and unsteady dynamics of the trapped waves in the coastal zone".
11. Ryabov I.A. Hydrodynamics of the long tsunami-like waves: numerical simulation and statistical analysis (Mechanics of Fluid, Gas and Plasma). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2002.
12. Slunyaev A.V. Dynamics of the large-amplitude internal and surface waves in the ocean (Physics of Atmosphere and Hydrosphere). Institute of Applied Physics, Nizhny Novgorod, 2002.
13. Poloukhina O.E. Generalized Korteweg – de Vries equation in the theory of nonlinear internal waves in stratified flows (Mechanics of Fluid, Gas and Plasma). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2002.
14. Poloukhin N.V. Modelling of the nonlinear internal waves in the World Ocean (Oceanography). Institute of Oceanology, Moscow, 2005.
15. Didenkulova I.I. Runup of long waves on a beach and analysis of real events (Fluid Mechanics). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2006.
16. Sergeeva A.V. Nonlinear dynamics of random waves in shallow water (Fluid Mechanics). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2006.
17. Didenkulova I. Long wave dynamics in the coastal zone (Civil Engineering). Tallinn University of Technology, Tallinn, Estonia, 2008 (together with Prof. T. Soomere).
18. Nikolkina I.F. Modeling of the gravity flows and long waves in a fluid with applications to marine natural hazards (Fluid Mechanics). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2011.
19. Nikolkina I. Modélisation des écoulements de gravité et des ondes longues. Application à l'évaluation des risques de catastrophes naturelles dans les Antilles Françaises. Universite des Antilles et de la Guyane. 2011 (together with Prof. N. Zahibo).
20. Kurkina O. Nonlinear dynamics of internal gravity waves in shallow seas (Civil Engineering). Tallinn University of Technology, Tallinn, Estonia, 2012 (together with Prof. T. Soomere).

21. Rodin A. Breaking effect influence on long wave transformation and runup on the coast (Fluid Mechanics). Nizhny Novgorod State Technical University, Nizhny Novgorod, 2013.

RESEARCH GRANTS, PRINCIPIAL INVESTIGATOR, 2006 –

Active:

- Extreme ocean gravity waves: analysis and prediction on the basis of breather solutions of nonlinear evolution equations". Volkswagen Foundation, 2011-2014.
- Catastrophic sea waves: models and numerical simulations. Project 5.3 of the National Program “Fundamental Problems of Nonlinear Dynamics”. Russian Academy of Sciences. 2006-2013.
- Analysis and models of natural cataclysms in water with applications to the basins of Nizhny Novgorod. Russian Fund for Basic Research, 13-05-97037. 2013-2014.
- Catastrophic wave processes in the coastal zone: theoretical models and analysis of observed data. Russian Fund for Basic Research 11-05-00216. 2011-2013.
- Freak waves in Russian and Taiwanese waters (Joint Taiwanese - Russian grant). Russian Fund for Basic Research, 11-05-92002, 2011-2013.

Completed:

- Models of dangerous wave phenomena in water with application to Volga and Oka rivers in Nizhny Novgorod distinct. Russian Fund for Basic Research 11-05-97006-p. 2011-2012.
- Model Development and Risk Analysis for Tsunamis in the Black Sea and Mediterranean. Joint Russian –Turkish grant. Russian Fund for Basic Research No. 09-05-91222. 2009-2010.
- Models of strongly nonlinear waves with applications to the marine natural hazards forecasting. Russian Foundation for Basic Research. No. 08-05-00069. 2008-2010.
- Nonlinear Waves in Shallow Water. Joint Russian – UK grant. Russian Fund for Basic Research No. 08-05-91850. 2008-2010.
- Mathematical modeling of mixing and dispersion effects in the shallow waters of the coastal zone. INTAS (together with France, UK and Italy). No. 06-1000013-9236. 2007-2008.
- Forecasting of the marine natural hazards based on model of nonlinear waves. Russian Foundation for Basic Research. No. 05-05-64265. 2005-2007.
- Dynamics of internal solitons on shelves of East China and Japan Seas. Joint Russian – Chinese grant 04-05-3900. 2005-2007.
- Control of nonlinear waves and vortices by synchronization. INTAS (together with Denmark, UK and Israel) No. 03-51-4286. 2004-2006.
- Strongly nonlinear internal waves in lakes: generation, transformation and meromixis. INTAS (together with Germany, UK and Ukraine). No. 03-51-3728. 2004 – 2006.

Expeditions and Field Surveys (2000-):

- Ship Wave Impact on the coasts. Aegna Island, Estonia, July 2008.
- Tsunami Field Survey in Guadeloupe due to Martinique earthquake (28/11/07, M = 7.4), November 2007.
- Tsunami Field Survey at India due to 2004 Sumatra earthquake. March 2005.
- Tsunami Field Survey at Les Saintes due to earthquake (21/11/04, M = 6.3) in Dominica Passage. January 2005.
- Tsunami Field Survey at Guadeloupe due to earthquake (21/11/04, M = 6.3) in Dominica Passage. November 2004.
- Tsunami Field Survey at Montserrat and Antigua (Caribbean Sea) due to Volcano Eruption on Montserrat (12 July 2003). January – February 2004.
- Tsunami Field Survey at Guadeloupe due to Volcano Eruption on Montserrat (12 July 2003). November 2003.
- Historical Tsunami Field Survey at Guadeloupe (French West India). May 2001.

PUBLIC RELEASE (after 1996):

- **Малова Г** Метеориты над Нижним Новгородом. Нижний Новгород **on-line 31 марта 2013.** http://www.nn.ru/info/news/meteority_nad_nizhnim_novgorodom.html
- **Шамин Р.** Газета Поиск: Следствие ведут математики. Волны-убийцы дают признательные показания. 2 июня 2013. http://www.poisknews.ru/theme/science/6184/
- **Shamin R.** Wave from nowhere. *Far East Scientist* (newspaper), 2012, No. 19 (31 October).
- **Plotnikov Yu.** Group of associates - the key to overcome fragmentation. *Science in Siberia*, 2012, No. 44 (8 November). http://www.sbras.ru/HBC/hbc.phtml?12+655+1
- **Ognev A.** Ninth Wave (in Russian). *Science and Technologies of Russia* – STRF.ru http://strf.ru/material.aspx?CatalogId=222&d_no=46744
- **Pelinovsky E.** Tsunamis. Seledka (Russian Newspaper), 2012. No. 9, 14-15. http://issuu.com/seledka/docs/seledka16_
- **Bulyubash B.** Do tsunami asked? **(in Russian).** *Science and Technologies of Russia* – STRF.ru http://www.strf.ru/material.aspx?CatalogId=222&d_no=49247
- **Interview** with E. Pelinovsky about tsunami in Nizhny Novgorod. *TV "Vesti-Povolzhe"*. 20 February 2012.
- **Mubarashkina G.**. Hunter for waves. *Arguments and Facts – Nizhny Novgorod*, 25 January 2012, No. 4, p. 17.
- **Pelinovsky E.** Remembering the 1597 tsunami. *Arguments and Facts – Nizhny Novgorod*. № 36 of September 13, 2011. page 20. http://www.aif-nn.ru/society/article/43846
- **Maximov V.V.** General Assembly of European Geophysical Union EGU-2011. *Fundamental and Applied Hydrophysics*, 2011, vol. 4, № 2, 15-16.
- **Mubarashkina G.** No insurance from tsunami in Volga. *Arguments and Facts – Nizhny Novgorod* (provincial newspaper), 29 March 2011, No. 13. http://www.aif-nn.ru/education/article/40933
- **Kolmanovsky I.** Interview about Japanese tsunami. *Snob* (Russian E-newpaper), 2011. http://www.snob.ru/thread/8#entry_32736

- **Geist E.L.** Book Review Rogue Waves in the Ocean. Advances in Geophysical and Environmental Mechanics and Mathematics, by Christian Kharif, Efim Pelinovsky and Alexey Slunyaev, Springer, 2009; *Pure Appl. Geophys.* 2011 Springer Basel AG DOI 10.1007/s00024-010-0261-3
- **Geist E.L.** Extreme Ocean Waves, by E. Pelinovsky and C. Kharif (eds), Springer, 2008; ISBN: 978-1-4020-8313-6. *Pure Appl. Geophys.* 2011 Springer Basel AG DOI 10.1007/s00024-010-0249-z
- **Ridgway A.** Killer Waves. *BBC Focus Magazine*, 2010, Issue 223, 51-55.
- Jubilee by Efim Pelinovsky. *Fundamental and Applied Hydrophysics*, 2010, No. 3 (9), 22.
- **Waseda T.** Rogue Waves in the Ocean by Ch. Kharif, E. Pelinovsky and A. Slunyaev. Book review. *EOS*, 2010, vol. 91, No. 11 (16 March).
- **Maximov V.V.** Rogue Waves in the Ocean by Ch. Kharif, E. Pelinovsky and A. Slunyaev. Book review. *Fundamental and Applied Hydrophysics*, 2009, No 2 (4), 31 -33.
- **Vivika Veski.** Tsunami Tallinna lahel. *Maaleht* (Estonian Newspaper), 2008, No. 32 (1087).
- **Didenkulova I., and Pelinovsky E.** Tsunami on Volga River. *Volzhsko-Nevsky Prospect* (National Newspaper), 2008, № 2.
- Movie "Rogue Waves". Russian TV, channel Ц. 11 May 2007.
- Interview for SBS Radio, Australia, 10 October 2006.
- Biography Sketch of Pelinovsky Efim. *The Scientists of Russia*. Russian Academy of Natural Sciences. Moscow, 2005, 314-315.
- *Izvestiya, Russian Academy of Engineering Science*, 2005, vol. 14. Special Issue dedicated to 60th birthday of Efim Pelinovsky
- **Plotnikov Yu.** Mathematical modeling: from tsunami waves to information attacks. *Science in Siberia* (newspaper, Novosibirsk, Russia). 2005, No. 49.
- **Leake Jonathan and Watt Holly**. Revealed: the freak waves that eat ships. *The Sunday Times* (newspaper, London, UK), 31 July 2005.
- **Pimenova A.** Water walls – phantoms. *Independent Newspaper* (newspaper, Moscow, Russia). No. 13, 26 January 2005.
- **Morozova E.** Kontsa sveta ne predviditcia (No end for life). *Birzha* (newspaper, Nizhny Novgorod, Russia), 2005, No. 2.
- **Petrochenkov A.** Thridevyatyui val (Ninth Wave). *Popular Mechanics* (magazine, Russia), 2004, No. 6, 52 – 56.
- **Stepanov S.** Vdogonku za tsunami (Behind tsunami). *Big Volga* (newspaper, Nizhny Novgorod, Russia), No, 3, 31 January 2003.
- **Giulio Gelibter.** La Fine di Atlantide. *Da L'Unione Sarda* (Italy), 07 maggio 2002.
- **Graham Lawton.** Monsters of the deep (The Perfect Wave). *New Scientist*. Vol. 170, No. 2297, 30 June 2001. 28 – 32.
- *Who is Who in Nizhny Novgorod*. Nizhny Novgorod: Komsomolskaya Pravda. 2000. 219.
- **Stepanov S.** Wave called Killer. *Incidents and Wonders* (newspaper, Nizhny Novgorod, Russia). N. 26, December 2000.

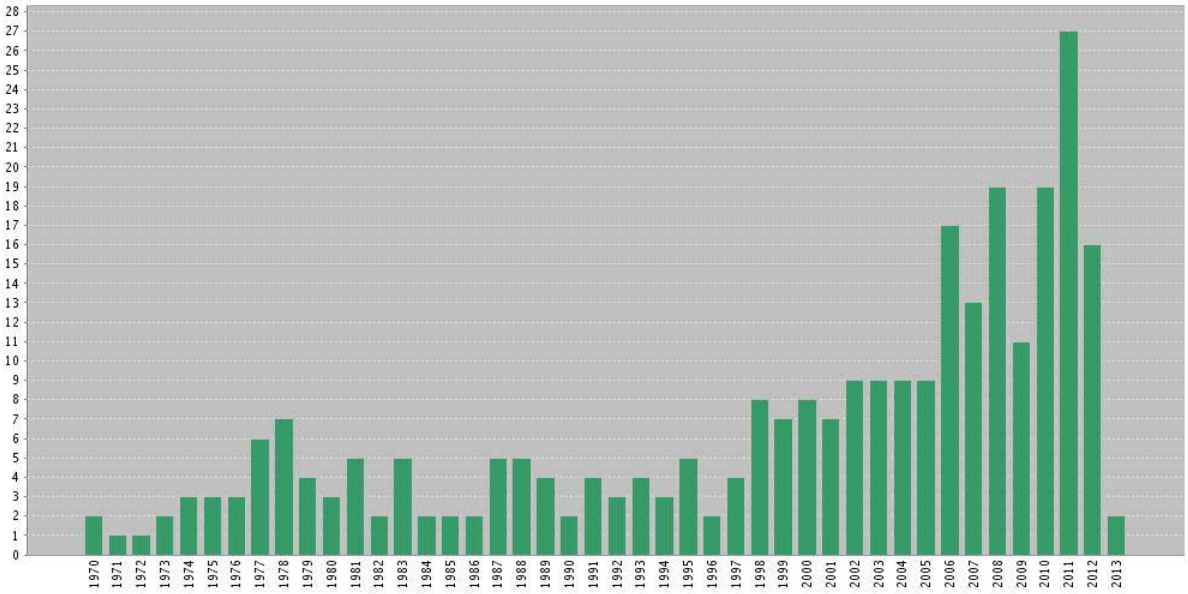
- Book of Catastrophes. *Vremia MN* (newspaper, Moscow, Russia). 18 August 1999.
- Uni plan to predict quakes, tsunami. *The Australian* (newspaper). No 10, September 17, 1997. Page 258.
- Will Nizhny Remain One of the “Cleverest” Cities? *831* (magazine, Nizhny Novgorod, Russia). N.1, 1997.
- Tsunami is more danger than nuclear explosion. *Nizhegorodsky Rabochy* (newspaper, Nizhny Novgorod, Russia). No. 25, 8 February 1997.
- Tidal waves a possibility for Tas? *UNITAS* (News from the University of Tasmania, Australia; magazine), No. 110, 28 October 1996. Page 4.
- Jatuhnya Meteor pun ke Laut Bisa Timbulkan Tsunami. *Mercusuar* (newspaper, Sulawesi, Indonesia), 1996, 23 January, No. 23.

Prof. Efim Pelinovsky

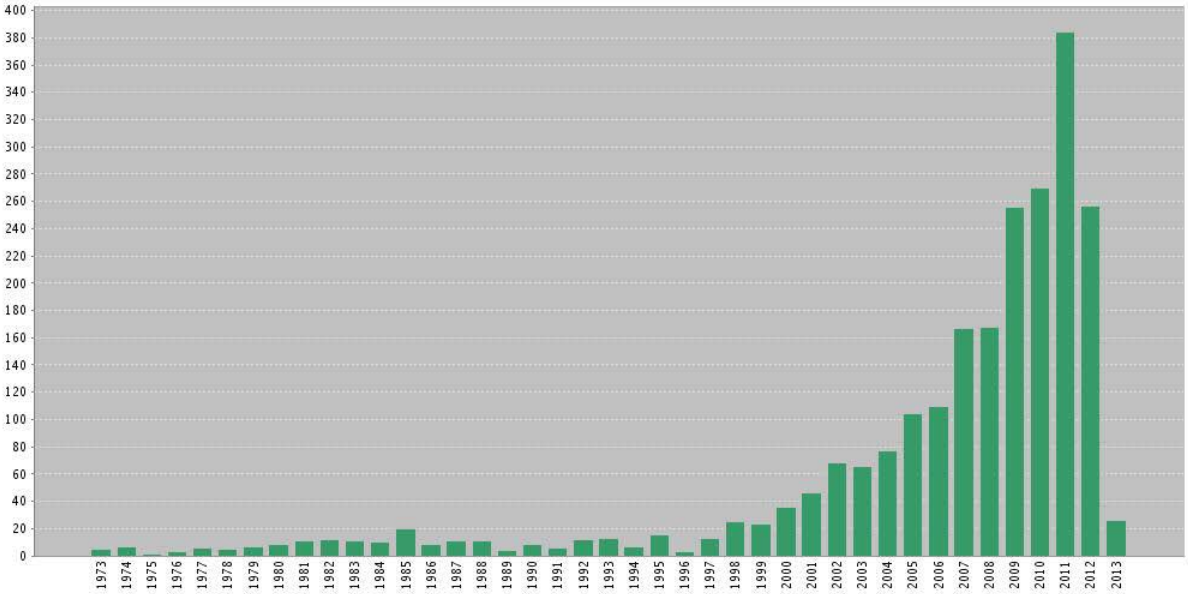
LIST OF PUBLICATIONS: (total 548)

17 October 2013

Publications in year



Citations in year



h-index – 22 (24 February 2013)

Books (10)

In English

1. **Engelbrecht, J.K., Fridman, V.E., and Pelinovsky, E.N.** *Nonlinear Evolution Equations* (Pitman Research Notes in Mathematics Series, No. 180). London: Longman, 1988.
2. **Kharif Ch., Pelinovsky E., Slunyaev A.** *Rogue Waves in the Ocean*. Springer, 2009. 216 p.

In Russian

3. **Pelinovsky, E.N.** *Nonlinear Dynamics of Tsunami Waves.* Gorky: Inst. Applied Phys. Press, 1982.

4. **Pelinovsky, E.N., Fridman, V.E., and Engelbrecht, J.K**. *Nonlinear Evolution Equations*. Tallinn: Valgus. 1984.
5. **Voltsinger, N.E., Klevanny, K.A., and Pelinovsky, E.N.** *Long-Wave Dynamics of the Coastal Zone*. Leningrad: Gidrometeoizdat. 1989.
6. **Pelinovsky, E.N., and Talipova, T.G.** *Surface Active Films on Sea Surface*. Novosibirsk: Heat Transfer Institute Press. 1990, N. 219.
7. **Pelinovsky, E.N.** *Tsunami Wave Hydrodynamics*. Institute Applied Physics Press, Nizhny Novgorod. 1996.
8. **Kurkin, A.A., and Pelinovsky, E.N.** *Freak waves: facts, theory and modelling.* Nizhny Novgorod, NNSTU, 2004, 157p.
9. **Nikolkina I., Pelinovsky E.** *Dynamics of the gravity flows and long waves in a fluid with application to the marine natural hazards*. Lampert–Academic Publishing, Germany, 2012. 150p.
10. **Shurgalina E., Pelinovsky E.** *Dynamics of random ensembles of surface gravity waves with application to the freak waves in the ocean*. Lampert–Academic Publishing. 2012. 119p.

Editor (24):

1. **Pelinovsky, E.N.** (ed). *The Action of Internal Waves on the Sea Surface.* Gorky: Inst. Applied Phys. Press, 1982.
2. **Pelinovsky, E.N.** (ed). *Tsunami Meeting.* Gorky: Inst. Applied Phys. Press, 1984.
3. **Pelinovsky, E.N.** (ed). *The Climbing of Tsunami Waves on the Beach.* Gorky: Inst. Appl. Phys. Press, 1985.
4. **Pelinovsky, E.N.** (ed). *Marine Natural Hazards*. Gorky: Polytechnic Inst. Press, 1990.
5. **Pelinovsky, E.N.** (ed). *Tsunamis in the Far East of Russia* by Yu.A. Zayakin. Petropavlovsk-Kamchatsky: Komshat. 1996.
6. **Pelinovsky, E., and Talanov, V.** (eds) *Ocean Subsurface Layer: Physical Processes and Remote Sensing*. Institute of Applied Physics Press, Nizhny Novgorod, 1999. Two Issues.
7. **Tinti, S.**, and **Pelinovsky, E.** (eds) *Natural Hazards and Earth System Sciences*, 2001, vol. 1, N. 4. Special Issue: Tsunamis.
8. **Yalciner, A.C., Pelinovsky, E.N., Okal, E., and Synolakis, C.E.** (eds) *Submarine landslides and tsunamis.* NATO Science Series: IV. Earth and Environmental Sciences, Kluwer, 2003, vol. 21.
9. **Pelinovsky, E., and Trakhtrengerts, V. Yu.** (eds) *Nonlinear Phenomena in Environmental Research.* Proc. Int. Conf. (Nizhny Novgorod, 6-12 September, 2003), 2003, 251-374.
10. **Tinti, S.**, and **Pelinovsky, E.** (eds) *Natural Hazards and Earth System Sciences*, 2003, vol. 3, N. 5. Special Issue: Tsunamis.
11. **Pelinovsky, E., and Tinti, S.** (eds) Tsunamis in the Pacific, in the Atlantic and in Europe: relevant cases and hazard evaluation. *Marine Geology*, 2005, vol. 215, Special Issue 1-2, pages 1-106. Editorial, 1-2.
12. **Pelinovsky, E.**, and **Kharif, Ch.** (eds) Rogue Waves. *European J Mechanics B/Fluids*, 2006, vol. 25, No. 5, Special Issue. Preface - 535.
13. **Pelinovsky, E., and Tinti, S.** (eds) Tsunamis. *Natural Hazards and Earth System Sciences*, 2006, vol. 9, Special Issue.
14. **Kharif, C., Pelinovsky, E., and Tinti, S.** (eds) Extreme sea waves. *Natural Hazards and Earth System Sciences*, 2006, vol. 9, Special Issue.
15. **Pelinovsky E., Kharif C.** (Eds) *Extreme Ocean Waves*. Springer, 2008. 189 p.
16. **Pelinovsky E., Grimshaw R., Didenkulova I.** (Eds) Extreme surface and internal waves. *Nonlinear Processes in Geophysics*, 2009, special issue.
17. **Zahibo N**., **Pelinovsky E., Yalciner A.** (Eds) Caribbean Sea. *Open Oceanography J.*, 2010, vol. 4, special issue
18. **Akhmediev N. and Pelinovsky E.** (Eds) "Discussion & Debate: Rogue Waves – Towards a unifying concept?" *European Physical Journal Special Topics*, 2010, vol. 185.

19. **Maximov V.V., and Pelinovky E.N.** Wave action on the coats. *Fundamental and Applied Hydrophysics*, 2010, No. 4 (10),
20. **Pelinovsky E. and Kharif C.** (Eds) Extreme and rogue waves. *Natural Hazards and Earth System Sciences*, Special Issue, 2010, vol. 10 and 2011, vol. 11 http://www.nat-hazards-earth-syst-sci.net/special_issue120.html
21. **Pelinovsky E., and Slunyaev A.** (Eds) Rogue waves. *Fundamental and Applied Hydrophysics*, 2011, vol. 4, No. 4 and vol. 5, No. 1.
22. **Pelinovsky E., Didenkulova I., Slunyaev A., Kharif C., Grimshaw R.** Nonlinear waves in the ocean. *Nonlinear Processes in Geophysics*, 2011, vol. 18 and 2012, vol. 19.
23. **Pelinovsky E., Didenkulova I., Mendez F.J., Rybski D., and Tinti S.** Sea Hazards, *Natural Hazards and Earth System Sciences*, 2011, vol. 11, and 2012, vol. 12.
24. **Didenkulova I., Pelinovsky E., Kalish H., and Grimshaw R.** Nonlinear dynamics of the coastal zone. *Nonlinear Processes in Geophysics*, 2012.
25. **Morozov E.**G. **and Pelinovsky E.N.** Internal waves in the ocean. *Fundamental and Applied Hydrophysics*, 2013, Vol. 6, No. 2 and 3.

Chapters in the books (12):

1. **Levin, B.V., Pelinovsky, E.N., and Solovieva, O.N.** Tsunami – catastrophic oceanic waves. Chapter in Book: *Natural Disaster of Russia* (Eds. Osipov V.I. & Shoigu S.K.). Moscow: Kruk. 2000, vol. 2. Seismic Disasters, 2000, 227-242.
2. **Pelinovsky, E., Poloukhin, N., and Talipova, T.** Modeling of the internal wave characteristics in the Arctic. Chapter in Book: *Surface and Internal Waves in the Arctic Seas*. (Eds: Lavrenov I & Morozov E.). St Petersburg: Gidrometeoizdat, 2002, 235-279.
3. **Holloway, P., Pelinovsky, E., and Talipova, T.** Internal tide transformation and oceanic internal solitary waves. Chapter 2 in the book: *Environmental Stratified Flows* (Ed. R. Grimshaw). Kluwer Acad. Publ. 2002, 29 - 60.
4. **Pelinovsky, E., Choi, B.H., Stromkov, A., Didenkulova, I., and Kim, H.S.** Analysis of tide-gauge records of the 1883 Krakatau tsunami. *Tsunamis: case studies and recent developments*, Advances in Natural and Technological Hazards Research, vol. 23, Springer, 2005, 57-77.
5. **Pelinovsky, E.** Hydrodynamics of tsunami waves. Chapter 1. *Waves in Geophysical Fluids* (Eds. Grue J. and Trulsen K.). CISM Courses and Lectures, No. 489. Springer, 2006, 1-48.
6. **Kharif, Ch. and Pelinovsky, E.** Freak wave phenomenon: physical mechanisms and modeling. Chapter 3. *Waves in Geophysical Fluids* (Eds. Grue J. and Trulsen K.). CISM Courses and Lectures, No. 489. Springer, 2006, 107-172.
7. **Pelinovsky, E., Polukhina, O., Slunyaev, A., and Talipova. T.** Internal solitary waves. *Solitary Waves in Fluids. (*Ed. R. Grimshaw). WIT Press, Southampton, Boston. 2007, 85-110.
8. **Didenkulova, I., Pelinovsky, E., Soomere, T., and Zahibo, N.** Runup of nonlinear asymmetric waves on a plane beach. *Tsunami and Nonlinear Waves* (Ed: Anjan Kundu), Springer, 2007, 175-190.
9. **Yalciner, A.C., Pelinovsky, E., Zaytsev, A., Kurkin, A., Ozer, C., Karakus, H., and Ozyurt, G.** Modeling and visualization of tsunamis: Mediterranean examples. *Tsunami and Nonlinear Waves* (Ed: Anjan Kundu), Springer, 2007, 273-283.
10. **Zahibo, N., Pelinovsky, E., Kurkin, A., and Nikolkina, I.** Tsunami hazard for the French West Indies, Lesser Antilles. *Integrated Coastal Zone Management* (Ed. R. KRISHNAMURTHY). Research Publ., Singapore, 2008, 517-535.
11. **Didenkulova I., Pelinovsky E., Sergeeva A.** Runup of long irregular waves on plane beach. In: *Extreme Ocean Waves* (Eds: Pelinovsky E., Kharif C.), Springer, 2008, 83-94.
12. **Slunyaev, A.V., Sergeeva, A.V., and Pelinovsky, E.N.** Modelling of deep-water rogue waves: different frameworks. *Marine Technology and Engineering* (Eds Guedes Soares et al), 2012, 199-216.

Textbooks and Manuals (5):

1. **Filchenkov, S.E., Pelinovsky, E.N., and Stepanjants, Yu.A.** *Solitons of Envelope Waves in Media with Strong Dispersion* (Manual). Gorky: State University Press. 1988.
2. **Ivchenko, V., Klepikov, A., Kozlov, V., Kuznetsova, L., Maslovsky, M., Nekrasov, A., Pelinovsky, E., Plink, N., Resnik, G., and Khejsin, D.** (Eds: **Nekrasov, A.V. & Pelinovsky, E.N.).** *Dynamics of the ocean*. (Textbook recommended by Russian Ministry of High Education). St. Petersburg: Gidrometeoizdat. 1992.
3. **Pelinovsky, E., Talipova, T., and Kantardgi, I.** *Developing of scenarios of environmental catastrophes*. Chapter 8 in Int. Series of teaching manuals: Sustainable development and environmental problems of industry. STANKIN Press, Moscow, 2000.
4. **Pelinovsky, E.** *Module Ocean. Series of 4 manuals: Dynamique en zone côtiere; Deformation des vagues en zone côtiere ; Les tsunamis en France* ; *Les vagues geantes.* Ecole Superieure de Mecanique de Marseille (ESM2), Universite de la Mediterranee Aix-Marseille II. 2001-2003.
5. **Kozyrev, O., Krasilchikov, A., Kurkin, A., Pelinovsky, E., Petrukhin, N., Solovich, N., Talipova, T., and Tishkov, K.** Water quality control and predictions for river pollutions. Chapter 7 in teaching manual *Management of natural resources* (Eds: Kantardgi I., Kaliagin V., Kharif C., Purvis M). Nizhny Novgorod, 2002, 211-223.

Review Papers: (25)

In English

1. **Gorshkov, K.A., Ostrovsky, L.A., and Pelinovsky, E.N.** Some problems of asymptotic theory of nonlinear waves. *Proc. IEEE*, 1974, vol. 62, N. 11, 1151 - 1157.
2. **Ostrovsky, L., and Pelinovsky, E.** Nonlinear evolution of tsunami waves. *Bull. Roy. Soc. New Zealand*, 1976, vol. 15, 203 - 211.
3. **Gorshkov, K.A., Ostrovsky, L.A., Papko, V.V., and Pelinovsky, E.N.** Electro-modelling of finite amplitude water waves. *Bull. Roy. Soc. New Zealand*, 1976, vol. 15, 123 - 131.
4. **Pelinovskii, E.N.** Certain exact methods in the theory of nonlinear waves. *Radiophysics and Quantum Electronics*, 1976. vol. 19, N. 6, 629 - 642.
5. **Pelinovsky, E.N.** Where and when will a tsunami wave strike again? *Science in the USSR*, 1988, N. 1, 18 - 27.
6. **Go, Ch.N., Kaistrenko, V.M., Pelinovsky, E.N., and Simonov, K.V.** A quantitative estimation of tsunami hazard and the tsunami zoning Scheme of the Pacific Coast of the USSR. *Pacific Annual.* Vladivostok, 1988, 7 - 15.
7. **Pelinovsky, E.N.** Nonlinear theory of sea wave run-up. In: Res. Reports in Physics. *Nonlinear Waves*. vol. 2. Dynamics and Evolution, Springer, 1989, 128 - 135.
8. **Pelinovsky, E.N.** Tsunami climbing a beach and tsunami zoning. *J. Tsunami Soc.*, 1989, vol. 7, N. 2, 117 - 123.
9. **Pelinovsky, E., and Talipova, T.** Nonlinear evolution equations for waves in random media. In: *Proceedings of the Workshop on Qualitative Aspects and Applications of Nonlinear Evolution Equations* (Eds. H.Beirao da Veiga & Ta-Tsien Li). World Scientific, Singapore, 1994, 194 - 198.
10. **Curtis, G.D., and Pelinovsky, E.N.** Evaluation of tsunami risk for mitigation and warning. *Science Tsunami Hazards*, 1999, vol. 17, N. 3, 187-192.
11. **Kharif, C.**, and **Pelinovsky, E.** Physical mechanisms of the rogue wave phenomenon. *European J Mechanics / B – Fluid*, 2003, vol. 22, N. 6, 603-634.
12. **Grimshaw, R.**, **Pelinovsky, E., and Talipova, T.** Modeling internal solitary waves in the coastal ocean. *Survey in Geophysics*, 2007, vol. 28, No. 4, 273-298.
13. **Didenkulova I., and Pelinovsky E.** Rogue waves in nonlinear hyperbolic systems (shallow-water framework). *Nonlinearity*, 2011, vol. 24, R1-R18. **Didenkulova I., Pelinovsky E.** Rogue wave formation in shallow waters. *Mathematics of Planet Earth Highlights*. http://iopscience.iop.org/0951-7715/page/MathematicsPlanetEarthHighlights

14. **Slunyaev A., Didenkulova I., Pelinovsky E.** Rogue waters. *Contemporary Physics*. 2011, vol. 52, No. 6, 571 – 590.

In Russian

15. **Pelinovsky, E.N.** Wave propagation in statistically inhomogeneous ocean. In: *Nonlinear Waves*. Nauka, Moscow, 1979, 331 - 355.
16. **Pelinovsky, E.N.** Tsunami waves. In*: Nonlinear Waves*. Nauka, Moscow, 1981. 187 - 203.
17. **Ermakov, S.A., and Pelinovsky, E.N.** Internal wave action on sea surface. In: *Nonlinear Waves*. Nauka, Moscow, 1983, 240 - 252.
18. **Zheleznyak, M.I., and Pelinovsky, E.N.** Physical and mathematical models of the tsunami climbing a beach. In: *Tsunami Climbing a Beach.* Gorky: Applied Physics Institute Press. 1985, 8 - 34.
19. **Dolina, I.S., and Pelinovsky, E.N.** Long wave approximation in the problems of sea wave scattering. In: *Methods of Hydrophysical Investigations*. Gorky: Applied Physics Institute Press. 1987, 184 - 194.
20. **Pelinovsky, E.N.** Solitons in water. In: *Russian Science: Withstand and Revive,* Moscow, Nauka, 1997, 252 - 258.
21. **Pelinovsky, E.N.** Nonlinear models of tsunami generation by moving sources. *Nonlinear Waves' 2002*. Applied Physics Institute Press, Nizhny Novgorod, 2003, 199-210.
22. **Kurkin, A.A., Pelinovsky, E.N., and Slunyaev, A.V.** The physics of waves-killers in the ocean. «*Nonlinear Waves'2004*», Applied Physics Institute Press, Nizhny Novgorod, 2005, 37-51.
23. **Pelinovsky, E.N., and Slunyaev, A.V. «**Freaks» – sea killer waves. *Priroda (Nature)*, 2007, № 3, 14 – 23.
24. **Pelinovsky, E.N.** Nonlinear – dispersive theory of tsunami waves: outlook after the hazardous Indian Ocean tsunami. *Nonlinear waves' 2006*. Nizhny Novgorod: IAP, 2007, 393-407.
25. **Pelinovsky, E.N., and Didenkulova, I.I.** Wave propagation in strongly inhomogeneous medium. *Nonlinear Waves'2008.* Nizhny Novgorod: IAP, 2009, 191-204.

Articles in Referred Journals and Books published in English: (339)

1. **Ostrovsky, L.A., and Pelinovsky, E.N.** Wave transformation of the surface of a fluid of variable depth. *Izvestiya, Atmospheric and Oceanic Physics*, 1970, vol. 6, N. 9, 552 - 555.
2. **Ostrovsky, L.A., and Pelinovsky, E.N.** Averaging method for nonsinusoidal waves. *Sov. Phys. Doklady*, 1971, vol. 15, N. 12, 1097 - 1099.
3. **Pelinovskii E.N.** On the absorption of nonlinear waves by dispersing media. *J. Applied Mechanics and Technical Physics*, 1971, vol. 12, N. 2, 227-230.
4. **Pelinovskii E.N.** The evolution of a solitary wave in a nonhomogeneous medium. *J. Applied Mechanics and Technical Physics*, 1971, vol. 12, N. 6, 853 - 858.
5. **Pelinovskii, E.N.** Nonlinear ion-sound waves in an inhomogeneous weakly absorptive plasma. *Radiophysics and Quantum Electronics*, 1971, vol. 14, N. 8, 1004 - 1006.
6. **Pelinovsky, E.N.** Propagation of a finite-amplitude surface wave with allowance for random irregularities of the bottom. *Izvestiya, Atmospheric and Oceanic Physics*, 1971, vol. 7, N. 11, 804 - 805.
7. **Pelinovskii, E.N., and Rabinovich, M.I.** The asymptotic method for weakly nonlinear distributed systems with varying parameters. *Radiophysics and Quantum Electronics,* 1971, vol. 14, N. 9, 1079 - 1086.
8. **Ostrovsky, L.A., Papko, V.V., and Pelinovsky, E.N.** Solitary electromagnetic waves in nonlinear lines. *Radiophysics and Quantum Electronics,* 1972, vol. 15, N. 4, 438 - 446.
9. **Ostrovsky, L.A., and Pelinovsky, E.N.** Method of averaging and the generalized variational principle for nonsinusoidal waves. *Appl. Math. Mech. (PMM),* 1972, vol. 36, N. 1, 63 - 70.
10. **Pelinovskii, E.N., and Pitum, A.S.** Analysis of the structure of a shock wave by means of the averaging method. *Radiophysics and Quantum Electronics*, 1973, vol. 16, N. 7, 865 - 866.
11. **Pelinovsky, E.N., and Fridman, V.E.** Statistical effects in the generation of shock waves. *Sov. Phys. Acoust.*, 1973, vol. 18, N. 4, 482 - 484.

12. **Pelinovsky, E.N., Saichev, A.I., and Fridman, V.E.** Shock-wave generation in randomly inhomogeneous gas. *Sov. Phys. Acoustics,* 1973, vol. 18, N. 4, 509 - 510.
13. **Ostrovsky, L.A., and Pelinovsky, E.N.** Approximate equations for waves in media with small nonlinearity and dispersion. *Appl. Math. Mech. (PMM),* 1974, vol. 38, N. 1, 104 - 108.
14. **Pelinovskii, E.N., Saichev, A.I., and Fridman, V.E.** Average field in a nonlinear nondispersive medium with random inhomogeneities. *Radiophysics and Quantum Electronics*, 1974, vol. 17, N. 6, 666 - 668.
15. **Pelinovsky, E.N., and Fridman, V.E.** Explosive instability in nonlinear waves in media with negative viscosity. *Appl. Maths. Mech. (PMM),* 1974, vol. 38, N. 6, 940 - 944.
16. **Ostrovsky, L.A., and Pelinovsky, E.N.** Nonlinear waves in inhomogeneous dissipative media. *Fluid Mechanics - Soviet Research,* 1974, vol.4, N. 6, 111 - 117.
17. **Pelinovskii E.N., Shavratskii S.Kh.** Damping of steady-state waves in systems described by a nonlinear Klein - Gordon equation. *J. Applied Mechanics and Technical Physics*, 1974, vol. 15, N. 5, 628 - 631.
18. **Pelinovsky, E., and Stepanjants, Yu.** Transformation of a magnetoacoustic soliton in two-layer Plasma. *Sov. Phys. Tech. Phys.,* 1975, vol. 20, N. 1, 109 - 110.
19. **Ostrovsky, L.A., and Pelinovsky, E.N.** Refraction of nonlinear ocean waves in a beach zone. *Izvestiya, Atmospheric and Oceanic Physics*, 1975, vol. 11, N. 1, 37 - 41.
20. **Ermakov, S.A., and Pelinovsky, E.N.** Toward a theory of multimode distribution of the characteristics of long internal waves of finite amplitude. *Izvestiya, Atmospheric and Oceanic Physics*, 1975, vol. 11, N. 10, 660 - 663.
21. **Ostrovsky, L.A., Pelinovsky, E.N., and Fridman, V.E.** Propagation of finite- amplitude sound waves in an inhomogeneous medium with caustics. *Sov. Phys. Acoust*., 1976, vol. 22, N. 6, 516 - 520.
22. **Pelinovskii, E.N.** Spectral analysis of simple waves. *Radiophysics and Quantum Electronics*, 1976, vol. 19, N. 3, 262 - 270.
23. **Pelinovskii, E.N., and Sokolov, V.V.** Nonlinear theory for the propagation of electromagnetic waves in size-quantized films. *Radiophysics and Quantum Electronics*, 1976, vol. 19, N. 4, 378 - 382.
24. **Pelinovsky, E.N., and Shavratsky, S.Kh.** Propagation of nonlinear internal waves in inhomogeneous ocean. *Izvestiya, Atmospheric and Oceanic Physics*, 1976, vol. 12, N. 1, 41 - 44.
25. **Ermakov, S.A., and Pelinovsky, E.N.** Toward a theory of low-frequency surface waves induced by internal waves in the ocean. *Izvestiya, Atmospheric and Oceanic Physics,* 1976, vol. 12, N. 3, 185 - 188.
26. **Ermakov, S.A., Pelinovskii, E.N., and Tamoikin, V.V.** Connection between average-field attenuation and dispersion characteristics of medium. *Radiophysics and Quantum Electronics*, 1977, vol. 20, N. 5, 502 - 504.
27. **Pelinovskii, E.N., and Shavratskii, S.Kh.** Unsteady theory of large-amplitude ion-acoustic solitons. *Radiophysics and Quantum Electronics*, 1977, vol. 20, N. 7, 682 - 684.
28. **Gorshkov, K.A., Pelinovskii, E.N., and Shavratskii, S.Kh.** Analysis of attenuation of 2π pulses in a two-level medium. *Radiophysics and Quantum Electronics*, 1977, vol. 20, N. 7, 770 - 772.
29. **Pelinovsky, E.N., and Talipova, T.G.** Height variations of large-amplitude solitary waves in the near-shore zone. *Oceanology*, 1977, vol. 17, N. 1, 1 - 3.
30. **Pelinovsky, E.N., and Raevsky, M.A.** Weak turbulence of internal waves in the ocean. *Izvestiya, Atmospheric and Oceanic Physics*, 1977, vol. 13, N. 2, 130 - 134.
31. **Pelinovsky, E.N., Shavratsky, S.Kh., and Raevsky, M.A.** The Korteweg-de Vries equation for nonstationary internal waves in an inhomogeneous ocean. *Izvestiya, Atmospheric and Oceanic Physics*, 1977, vol. 13, N. 3, 226 - 228.
32. **Ermakov, S.A., and Pelinovsky, E.N.** The role of nonlinear interactions in the formation of average fields. *Izvestiya, Atmospheric and Oceanic Physics*, 1977, vol. 13, N. 5, 373 - 376.
33. **Pelinovsky, E.N., and Shavratsky, S.Kh.** Disintegration of cnoidal internal wave in a horizontally inhomogeneous ocean. *Izvestiya, Atmospheric and Oceanic Physics*, 1977, vol.13, N. 6, 455 - 456.

34. **Pelinovsky, E.N., and Romanova, N.N.** Nonlinear stationary waves in the atmosphere. *Izvestiya, Atmospheric and Oceanic Physics*, 1977, vol. 13, N. 11, 804 - 807.
35. **Gurbatov, S.N, Pelinovskii, E.N., and Saichev, A.I.** Problem of closure of the equations for the average fields in nonlinear media containing chaotic inhomogeneities. *Radiophysics and Quantum Electronics*, 1978, vol. 21, N. 10, 1032 - 1036.
36. **Pelinovsky, E., and Stepanyants, Yu.** Linear approximation in pulse propagation problems in nonlinear media. *Radiophysics and Quantum Electronics*, 1978, vol. 21, N. 11, 1186 - 1188.
37. **Odulo, A.B., and Pelinovsky, E.N.** Nonlinear topographic Rossby waves. *Oceanology*, 1978, vol. 18, N. 1, .9 - 11.
38. **Pelinovsky, E.N.** Wave Turbulence on a beta-plane. *Oceanology*, 1978, vol. 18, N. 2, 126 - 128.
39. **Odulo, A.B., and Pelinovsky, E.N.** Effect of random inhomogeneities of ocean bottom relief on the propagation of Rossby waves. *Oceanology*, 1978, vol. 18, N. 5, 505 - 507.
40. **Klevanny, K.A., and Pelinovsky, E.N.** Effect of nonlinear dissipation on the propagation of tsunami. *Izvestiya, Atmospheric and Oceanic Physics*, 1978, vol. 14, N. 10, 756 - 759.
41. **Pelinovsky, E.N.** Linear Theory of the establishment and variability of wind waves in light wind. *Izvestiya, Atmospheric and Oceanic Physics*, 1978, vol. 14, N. 11, 824 - 829.
42. **Dolina, I.S., Ermakov, S.A., Papko, V.V., and Pelinovsky, E.N.** An experimental study of free surface oscillations set up by internal waves. *Izvestiya, Atmospheric and Oceanic Physics*, 1978, vol. 14, N. 11, 859 - 861.
43. **Pelinovsky, E.N., Soustova, I.A., and Fridman, V.E.** Diffraction of sound beams in inhomogeneous media. *Sov. Phys. Acoust.*, 1978, vol. 24, N. 5, 415 - 418.
44. **Pelinovsky, E.N.** Wave turbulence on beta - plane. *Polymode News* (USA), 1978, N. 41, 3 - 4.
45. **Odulo, A.B., and Pelinovsky, E.N.** Rossby wave attenuation above a rough bottom. *Polymode News*, 1978, N. 53.
46. **Pelinovsky, E.N., and Soustova, I.A.** Structure of nonlinear sound beams in an inhomogeneous medium. *Sov .Phys. Acoust*., 1979, vol. 25, N. 4, 359 - 360.
47. **Ostrovsky, L.A., Pelinovsky, E.N., and Fridman, V.E.** Propagation of explosive pulses in ocean surface layers. *Sov. Phys. Acoust*., 1979, vol. 25, N. 1, 55 - 57.
48. **Pelinovsky, E.N., Petuchov, Y.V., and Fridman, V.E.** Approximate equations for the propagation of strong acoustic signals in the ocean. *Izvestiya, Atmospheric and Oceanic Physics*, 1979, vol. 15, N. 4, 299 - 304.
49. **Ermakov, S.A., and Pelinovsky, E.N.** Anomalous tsunami damping in stratified ocean with rough bottom. *Izvestiya, Atmospheric and Oceanic Physics*, 1979, vol. 15, N. 6, 453 - 457.
50. **Pelinovsky, E.N., and Talipova, T.G.** Change of height of the solitary wave of large amplitude in the beach zone. *Marine Geodesy*, 1979, vol. 2, N. 4, 313 - 321.
51. **Pelinovsky, E.N., and Shavratsky, S.Kh.** Breaking of stationary waves in nonlinear dispersive media. *Physica D*, 1980, vol. 1, N. 3, 317 - 328.
52. **Mirchina, N.R., and Pelinovsky, E.N.** Asymptotic forms of wave motions on the surface of a liquid. *Izvestiya, Atmospheric and Oceanic Physics*, 1980, vol. 16, N. 8, 637 - 639.
53. **Ermakov, S.A., Pelinovsky, E.N., and Talipova, T.G.** Influence of surface-active films on changes in wind-wave spectra under the action of internal wave. *Izvestiya, Atmospheric and Oceanic Physics*, 1980, vol. 16, N. 10, 788 - 794.
54. **Dorfman A., Pelinovskii E., Stepanyants Yu.** Cylindrical and spherical waves of finite amplitude in weakly dispersive media. *J. Applied Mechanics and Technical Physics*, 1981, vol, 22, N. 2, 206 - 211.
55. **Gurbatov, S.N., Pelinovsky, E.N., and Saichev, A.I.** Theory of the scattering of video pulses in randomly inhomogeneous medium. *Sov. Phys. Acoustics*, 1981, vol. 27, N. 4, 344 - 345.
56. **Pelinovsky, E.N., and Shavratsky, S.Kh.** Breaking of solitary and periodic nonlinear waves. *Physica D*, 1981, vol. 3, N. 1 + 2, 410 - 419.
57. **Mirchina, N.R., and Pelinovsky, E.N.** The dependence of tsunami wave period on the source dimensions. *Marine Geodesy*, 1981, vol. 5, N. 3, 201 - 208.
58. **Mirchina, N., Pelinovsky, E., and Shavratsky, S.** Parameters of tsunami waves in the source. *Int. J. Tsunami Soc.*, 1982, vol. 2, N. 4, B1 - B7.

59. **Mirchina, N.R., and Pelinovsky, E.N.** Nonlinear and dispersive effects for tsunami waves in the open ocean. *Int. J. Tsunami Soc.*, 1982, vol. 2, N. 4, D1 - D9.
60. **Pelinovsky, E.N., and Stepanjants, J.A.** Cylindrical solitons passing through a focus. *Int. J. Tsunami Soc.*, 1982, vol. 2, N. 4, F1 - F4.
61. **Mazova, R.Kh., and Pelinovsky, E.N.** Linear theory of tsunami wave runup on a beach. *Izvestiya, Atmospheric and Oceanic Physics*, 1982, vol. 18, N. 2, 124 - 128.
62. **Mazova, R.Kh., Pelinovsky, E.N., and Solov'yev, S.L.** Statistical data on the tsunami runup onto shore. *Oceanology*, 1983, vol. 23, N. 6, 698 - 702.
63. **Pelinovsky, E.N., Fridman, V.E., and Tsodikovich, L.N.** Linear source of explosive waves in ocean. *Sov. Phys. Acoustics*, 1983, vol. 29, N. 1, 121 - 122.
64. **Pelinovsky, E.N., and Tsodikovich, L.N.** On propagation of broad band signals in acoustical waveguides. *Sov. Phys. Acoustics*, 1983, vol. 29, N. 2, 281 - 282.
65. **Pelinovsky, E.N., and Fridman, V.E.** Acoustical wave passing through nonlinear boundary. *Sov. Phys. Acoust*., 1983, vol. 29, N.4, 569.
66. **Pelinovsky, E.N., and Petrukhin, N.S.** Wave turbulence spectra in a polytropic atmosphere. *Sov. Astron. Letters*, 1983, vol. 9, N. 4, 235 - 237.
67. **Pelinovsky, E.N., and Fridman, V.E.** Equations of nonlinear geometrical acoustics. In: *Nonlinear Deformation Waves*. Springer. 1983, 143 - 148.
68. **Ermakov, S.A., and Pelinovsky, E.N.** Variation of the spectrum of wind ripple on coastal waters under the action of internal waves. *Dynamics of Atmospheric and Oceans*, 1984, vol. 8, 95 - 100.
69. **Mirchina, N.R., and Pelinovsky, E.N.** Solitons in the tsunami problem. In: *Nonlinear and Turbulent Processes in Physics* (Ed. R.Sagdeev). Acad.Publ. 1984. vol. 2, 973 - 978.
70. **Mirchina, N., and Pelinovsky, E.** Increase in the amplitude of a long wave near a vertical wall. *Izvestiya, Atmospheric and Oceanic Physics*, 1984, vol. 20, N. 3, 252 - 253.
71. **Kaystrenko, V., Pelinovsky, E., and Simonov,** K. Runup and transformation of tsunamis in shallow water. *Soviet Meteorology and Hydrology*, 1985, N. 10, 56 - 62.
72. **Demin, B.T., Ermakov, S.A., Pelinovsky, E.N., Talipova, T.G., and Sheremeteva, A.I.** Study of the elastic properties of sea surface-active films. *Izvestiya, Atmospheric and Oceanic Physics*, 1985, vol. 21, N. 4, 312 - 320.
73. **Engelbrecht, J.K., Fridman, V.E., and Pelinovsky, E.N.** On approximate methods for constructing the evolution equations. *Int. J. Nonlinear Mechanics*, 1986, vol. 21, N. 1, 15 - 25.
74. **Galkin, V.M., Golinko, V.I., Malyshenkova, V.I., Mirchina, N.R., and Pelinovsky, E.N.** Propagation of tsunami waves generated by elliptical sources. *Int. J. Tsunami Soc.*, 1986, vol. 4, N. 3, 149 - 152.
75. **Go, C.N., Kaystrenko, V.M., Pelinovsky, E.N., and Simonov, K.V.** Forecast of tsunami danger to the Kamchatka coast. *Soviet Meteorology and Hydrology*, 1986, N. 7, 65 - 70.
76. **Dreyzis, Yu.I., Kantarzhi, I.G., and Pelinovsky, E.N.** Wave filtering by shear flow in shallow water. *Oceanology*, 1986, vol. 26, N. 6, 686 - 689.
77. **Kozlov, S.I., Pelinovsky, E.N., and Talipova, T.G.** Dynamics of surfactant films in the field of inhomogeneous currents. *Soviet Meteorology and Hydrology*, 1987, N. 1, 70 - 75.
78. **Dolina, I.S., and Pelinovsky, E.N.** Scattering of surface gravity waves by small submerged objects. *Sov. Phys. Doklady*, 1987, vol. 32, N. 8, 624 - 626.
79. **Mirchina, N., and Pelinovsky, E.** The dispersion enhancement of tsunami waves. *Oceanology*, 1987, vol. 27, N. 1, 24 - 27.
80. **Pelinovsky, E.N., and Fridman, V.E.** Exact solution of Burger equation for acoustical waves in inhomogeneous media. *Sov. Phys. Acoustics*, 1987, vol. 33, N. 2, 365 - 367.
81. **Mazova, R.Kh., Osipenko, N.N., and Pelinovsky, E.N.** Influence of nonlinearity on the runup of long waves. *Izvestiya, Atmospheric and Oceanic Physics*. 1987, vol. 23, N. 9, 950 - 955.
82. **Benilov, E.S., and Pelinovsky, E.N.** Scattering of internal waves in a current above a nonuniform bottom. *Izvestiya, Atmospheric and Oceanic Physics.* 1987, vol. 23, N. 10, 808 - 812.
83. **Pelinovsky, E.** A "differential" model of waves on water. *Transactions USSR Acad. Sciences, Earth Sciences Section*, 1988, vol. 300, N. 3, 225 - 228.

84. **Pelinovsky, E.N., and Petruchin, N.S.** Emergence of a nonlinear wave at a stellar surface. *Soviet Astronomy*, 1988, vol. 32, N. 4, 879 - 883.
85. **Benilov, E.S., and Pelinovsky, E.N.** Theory of nonlinear wave propagation in non-dispersive media with fluctuating parameters. *Soviet Phys. JETF*, 1988, vol. 67, N. 1, 98 - 103.
86. **Benilov, E.S., and Pelinovsky, E.N.** Propagation of nonlinear wave in a fluctuating medium. *Sov. Phys. Doklady*, 1988, vol. 33, N. 8, 609 - 610.
87. **Dolina I.S., Ermakov S.A., Pelinovskii E.N.** The free surface fluid displacement caused by moving cylinder. *J. Applied Mechanics and Technical Physics*, 1988, vol. 29, N. 4, 500 - 502.
88. **Mirchina, N.R., and Pelinovsky, E.N.** Estimation of underwater eruption energy based on tsunami wave data. *Natural Hazards*, 1988, vol.1, N. 3, 277 - 283.
89. **Benilov, E.S., and Pelinovsky, E.N.** Amplification of nonlinear waves in the medium with temporal fluctuations. In: Res. Reports in Physics. *Nonlinear Waves in Active Media*. Springer, 1989, 121- 126.
90. **Mazova, R., Pelinovsky, E., and Poplavsky, A.** Physical interpretation of tsunami height repeatability law. *Vulcanology and Seismology*, 1989, vol. 8, N. 1, 94 - 101.
91. **Kantarji, I.G., Makarova, I.L., and Pelinovsky, E.N.** Wave transformation by current with linear velocity shear on the depth. *Oceanology*, 1989, vol. 29, N. 2, 198 - 204.
92. **Bakhanov, V.V., Zuev, A.L., Marov, M.N., and Pelinovsky, E.N.** Effect of internal waves on microwave signals scattered by the sea surface. *Izvestija, Atmospheric and Oceanic Physics*, 1989, vol. 25, N. 4, 283 - 289.
93. **Kochergin, I.E., and Pelinovsky, E.N.** Nonlinear interaction of the edge waves triad. *Oceanology*, 1989, vol. 29, N. 6, 899 - 903.
94. **Kozlov, S.I., and Pelinovsky, E.N.** An approximate method of describing surface waves in a basin of variable depth. *Izvestija, Atmospheric and Oceanic Physics*, 1989, vol. 25, N. 12, 975 - 978.
95. **Galkin, D., and Pelinovsky, E.** The scattering of surface waves on the underwater obstacles. *Izvestija, Atmospheric and Oceanic Physics*, 1990, vol. 26, N. 2, 184 - 188.
96. **Golinko, V.I., and Pelinovsky, E.N**. The long wave climbing a shore in a bay of variable cross-section. *Sov. J. Phys. Oceanography*, 1990, vol. 1. N. 3, 187 - 192.
97. **Dyatlov, A.I., and Pelinovsky, E.N.** Scattering of surface waves in a basin with statistically uneven bottom. *Sov. J. Phys. Oceanography*, 1990, vol. 1, N. 5, 411 - 415.
98. **Pelinovsky, E.** Tsunami runup and tsunami hazard zoning. *Volcanology and Seismology*, 1990, vol. 10, N. 5, 789 - 811.
99. **Mazova, R.Kh., Osipenko, N.N., and Pelinovsky, E.N.** A dissipative model of the runup of long waves on shore. *Oceanology*, 1990, vol. 30, N. 1, 29 - 30.
100. **Dytlov, A.I., and Pelinovsky, E.N.** Surface wave scattering in a basin with stochastically irregular bottom. *Archiwum Hydrotechniki* (Poland), 1990, vol. 37, N. 1 - 2, 11 - 17.
101. **Pelinovsky, E.N.** The determination of the dissipative properties of shelf waves by the spectra of infragravity waves. *Ocean Modelling*, 1991, N. 91, 4 -5.
102. **Mazova, R.Kh., Osipenko, N.N., and Pelinovsky, E.N.** Solitary wave climbing a beach without breaking. *Rozprawy Hydrotechniczne* (Poland), 1991, N. 54, 71 - 80.
103. **Pelinovsky, E.N.** Long waves climbing a beach. *Rozprawy Hydrotechniczne*, 1991, N. 54, 81 - 86.
104. **Goryachkin, Yu., Grodsky, S., Ivanov, V., Kudryavtsev, V. Lisichenok, A., and Pelinovsky, E.** Several days observation of the internal wave packet evolution. *Izvestija, Atmospheric and Oceanic Physics*, 1991, vol. 27, N. 3, 224 - 229.
105. **Nagovitsin, A.P., Pelinovsky, E.N., and Stepanjants, Yu.A.** Observation and analysis of solitary internal waves at the coastal zone of the Sea of Okhotsk. *Sov. J. Phys. Oceanography*, 1991, vol. 2, N. 1, 65 - 70.
106. **Ivanov, V.A., Pelinovskiy, E.N., and Talipova, T.G.** The recurrence frequency of very large internal waves. *Trans. USSR Acad. Sci., Earth Science Section*, 1991, vol. 319, N. 5, 230 - 234.
107. **Kaistrenko, V.M., Mazova, R.Kh., Pelinovsky, E.N., and Simonov, K.V.** Analytical theory for tsunami run up on a smooth slope. *Int. J. Tsunami Soc.*, 1991, vol. 9, N. 2, 115 - 127.

108. **Pelinovsky, E., and Mazova, R.** Exact analytical solutions of nonlinear problems of tsunami wave run-up on slopes with different profiles. *Natural Hazards*, 1992, vol. 6, N. 3, 227 - 249.
109. **Dolina, I.S., and Pelinovsky, E.N.** Diffraction of surface gravity waves by an underwater obstacle. *Izvestija, Atmospheric and Oceanic Physics*, 1992, vol. 28, N. 2, 155 - 157.
110. **Osipenko, N.N., and Pelinovsky, E.N.** Nonlinear transformation and run-up long waves on a shore. *Oceanology*, 1992, vol. 32, N. 4, 435 - 439.
111. **Pelinovsky, E.N., and Troshina, E.N.** Generation of long waves by random sources. *Sov. J. Phys. Oceanogr*., 1992, vol. 3, N. 2, 81- 86.
112. **Goryachkin, Yu.N., Ivanov, V.A., and Pelinovsky, E.N.** Transformation of internal tidal waves over the Guinean Shelf. *Sov. J. Phys. Oceanogr*., 1992, vol. 3, N. 4, 309 - 315.
113. **Golovachev, E.V., Kochergin, I.E., and Pelinovsky, E.N.** The effect of the Airy phase during the propagation of edge waves. *Sov. J. Phys. Oceanogr*., 1992, vol. 3, N. 1, 1 - 7.
114. **Ivanov, V., Pelinovsky, E., Stepanjants, Yu., and Talipova, T.** Statistical estimation of nonlinear internal long wave parameters from field measurements. *Izvestija, Atmospheric and Oceanic Physics*, 1992, vol. 28, N. 10-11, 794 - 799.
115. **Pelinovsky, E.N.** Criteria of sea wave breaking in basins of complex topography. *J. Korean Soc. Coastal Ocean Eng.*, 1992, vol. 4, N. 2, 59 - 62.
116. **Mirchina, N., and Pelinovsky, E.** Nonlinear transformation of long waves at a bottom step. *J. Korean Soc. Coastal Ocean Eng*., 1992, vol. 4, N. 3, 161 - 167.
117. **Ivanov, V., Pelinovsky, E., and Talipova, T.** Long wave variation of dispersed material in the coastal zone. *Ocean Modelling*, 1993, N. 96, 2 - 3.
118. **Ivanov, V., Pelinovsky, E., and Talipova, T.** Redistribution of passive impurity by long waves in coastal zone. *J. Korean Soc. Coastal and Ocean Eng*., 1993, vol. 5, N. 3, 232 - 239.
119. **Pelinovsky, E., and Choi, H.S.** A Mathematical model for nonlinear waves due to moving disturbances in a basin of variable depth. *J. Korean Soc. Coastal and Ocean Eng*., 1993, vol. 5, N. 3, 191 - 197.
120. **Pelinovsky, E.N., Stepanyants, Yu.A., and Talipova, T.G.** Nonlinear dispersion model of sea waves in the coastal zone. *J. Korean Soc. Coastal and Ocean Eng*., 1993, vol. 5, N. 4, 307 - 317.
121. **Ivanov, V.A., Pelinovsky, E.N., and Talipova, T.G.** Recurrence frequency of internal wave amplitudes in the Mediterranean. *Oceanology*, 1993, vol. 33, N. 2, 147 - 150.
122. **Benilov, E.N., and Pelinovsky, E.N.** Nonlinear waves in the random media with weak dispersion. *Radiophysics and Quantum Electronics*, 1993, vol. 36, N. 8, 760 - 766.
123. **Belberova, D.Z., Kozlov, S.I., Massel, S.R., and Pelinovsky, E.N.** Polynomial approximations of Berkhoff's model for waves in a basin of variable depth. *Phys. Oceanography*, 1993, vol. 4, N. 2, 89 - 94.
124. **Ivanov, V.A., Pelinovsky, E.N., Talipova, T.G., and Troitskaya, Yu.I.** Statistical estimates of the parameters of nonlinear long internal waves off the South Crimea in the Black Sea. *Physical Oceanography*, 1994, vol. 6, No. 4, 253 – 262.
125. **Pelinovsky, E., and Rasin, A.** Propagation of nonlinear acoustical waves in plane waveguides with fluctuating parameters. In: *Advance in Nonlinear Acoustics*, Ed. H.Hobak. World Sci., Singapore. 1993, 119 - 123.
126. **Gurevich, B., Jeffrey, A., and Pelinovsky, E.** A Method for obtaining evolution equations for nonlinear waves in random medium. *Wave Motion*, 1993, vol. 17, N. 5, 287 - 295.
127. **Ivanov, V., Pelinovsky, E., and Talipova, T.** The long-time prediction of intense internal wave heights in the tropical region of the Atlantic. *J. Phys. Oceanography*, 1993, vol.23, N. 9, 2136 - 2142.
128. **Pelinovsky, E., and Petrukhin, N.** Stellar surface oscillations under the action of hydrodynamical perturbations. *Geophysical and Astrophysical Fluid Dynamics*, 1994, vol. 75, N. 1, 77 - 89.
129. **Grimshaw, R., Pelinovsky, E., and Tian, X.** Interaction of solitary wave with an external force. *Physica D*, 1994, vol. 77, N. 4, 405 - 433.
130. **Pelinovsky, E.N., and Troshina, E.N.** Propagation of long waves in straits. *Phys. Oceanogr.*, 1994, vol. 5, N. 1, 43 - 48.

131. **Pelinovsky, E., Stepanyants, Yu., and Talipova, T.** Modelling of the propagation of nonlinear internal waves in horizontally inhomogeneous ocean. *Izvestija, Atmospheric and Oceanic Physics*, 1994, vol. 30, N. 1, 79 - 85.
132. **Pelinovsky, E., and Talipova, T.** Scaling effects in the modelling of internal waves in basin covered by surfactant films. *Izvestiya, Atmospheric and Oceanic Physics*, 1995, vol. 31, N. 5, 672 - 675.
133. **Grimshaw, R., and Pelinovsky, E.N.** Interaction of solitary surface and internal waves with moving perturbation. *Doklady Earth Sciences*, 1995, vol. 344, N. 3, 394 - 396.
134. **Pelinovsky, E., Talipova, T., and Ivanov, V.** Estimations of nonlinear properties of internal wave field off the Israel coast. *Nonlinear Processes in Geophysics*, 1995, vol. 2, N. 2, 80 - 88.
135. **Pelinovsky, E.** Nonlinear hyperbolic equations and runup of huge sea waves. *Applicable Analysis*, 1995, vol. 57, 63 - 84.
136. **Yeh, H., Titov, V., Gusjakov, V., Pelinovsky, E., Khramushin, V., and Kaistrenko, V.** The 1994 Shikotan earthquake tsunamis. *Pure and Applied Geophysics*, 1995, vol. 144, N. 3/4, 855 - 874.
137. **Pelinovsky, E., Holloway, P., and Talipova, T.** A statistical analysis of extreme events in current variations due to internal waves from the Australian North West Shelf. *J. Geophys. Research*, 1995, vol. 100, N. C12, 24,831 - 24,839.
138. **Pelinovsky, E., Kozyrev, O., and Troshina, E.** Tsunami runup in a sloping channel. In: *Long-Wave Runup* (Eds. H.Yeh, P.Liu, C.Synolakis), World Sci., 1996, 332 - 339.
139. **Grimshaw, R., Pelinovsky, E., and Sakov, P.** Interaction of a solitary wave with an external force moving with variable speed. *Stud. Applied Mathematics*, 1996, vol. 97, 235 - 276.
140. **Ivashchenko, A.I., Gusyakov, V.K., Dzhumagaliev, V.A.,..., Pelinovskii, E.N.,...** The Shikotan Tsunami of October 5, 1994. *Doklady Earth Sciences*, 1996, vol. 348, N. 4, 693 – 699.
141. **Talipova, T., Pelinovskii, E., and Grimshaw, R.** Transformation of a soliton at a point of zero nonlinearity. *JETP Letters*, 1997, vol. 65, N. 1, 120 - 125.
142. **Pelinovsky, E., and Poplavsky, A.** Simplified model of tsunami generation by submarine landslides. *Phys. Chem. Earth*, 1997, vol. 21, N. 1/2, 13 - 17.
143. **Holloway, R., Pelinovsky, E., Talipova, T., and Barnes, B.** A Nonlinear model of the internal tide transformation on the Australian North West Shelf. *J. Phys. Oceanography*, 1997, vol. 27, No. 6, 871 - 896.
144. **Grimshaw, R., Pelinovsky, E., and Bezen, A.** Hysteresis phenomena in the interaction of a damped solitary wave with an external force. *Wave Motion*, 1997, vol. 26, N. 3, 253 - 274.
145. **Pelinovsky, E., Yuliadi, D., Prasetya, G., and Hidayat, R.** The 1996 Sulawesi Tsunami. *Natural Hazards*, 1997, vol. 16, No. 1, 29 - 38.
146. **Pelinovsky, E., Yuliadi, D., Prasetya, G., and Hidayat, R.** The January 1, 1996 Sulawesi Island Tsunami. *Int. J. Tsunami Soc.*, 1997, vol. 15, N. 2, 107 - 123.
147. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** The modified Korteweg - de Vries equation in the theory of large-amplitude internal waves. *Nonlinear Processes in Geophysics*, 1997, vol. 4, N. 4, 237 - 350.
148. **Pelinovsky, E., Razin, A.V., and Sasorova, E.V.** Berkhoff approximation in a problem on surface gravity wave propagation in a basin with bottom irregularities. *Waves in Random Media*, 1998, vol. 8, N. 2, 255 - 268.
149. **Agnon, Y., Pelinovsky, E., and Sheremet, A.** Disintegration of cnoidal waves over smooth topography. *Studied in Applied Mathematics*, 1998, vol. 101, 49 - 71.
150. **Kit, E., and Pelinovsky, E.** Dynamical models for cross-shore transport and equilibrium bottom profiles. *J. Waterway, Port, Coastal, and Ocean Engineering*, 1998, vol. 124, N. 3, 138 - 146.
151. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** Solitary wave transformation due to a change in polarity. *Studied in Applied Mathematics*, 1998, vol. 101, 357 – 388.
152. **Talipova, T., Pelinovskii, E., and Kouts, T.** Kinematic characteristics of an internal wave field in the Gotland Deep in the Baltic Sea. *Oceanology*, 1998, vol. 38, N. 1, 33 - 42.
153. **Pelinovskii, E., and Slunyaev, A.** Generation and interaction of large-amplitude solitons. *JETP Letters*, 1998, vol. 67, N. 9, 655 - 661.

154. **Pelinovskii, E.N., Rasin, A.V., and Sasorova, E.V.** The problem of the surface wave propagation in a basin with a rough bottom: Berkhoff approximation. *Water Resources*, 1998, vol. 25, No. 2, 148 - 154.
155. **Morozov, E., Pelinovsky, E., and Talipova, T.** Exceedance frequency for internal waves during the Mesopolygon-85 experiment in the Atlantic. *Oceanology*, 1998, vol. 38, N. 4, 470 - 475.
156. **Slyunyaev, A.**, and **Pelinovskii, E.** Dynamics of large-amplitude solitons. *JETP*, 1999, vol. 89, N. 1, 173 - 181.
157. **Talipova, T.G., Pelinovsky, E.N., Kit, E., and Eitan, O.** Nonlinear transformation of wave packets in weakly dispersive media. *Radiophysics and Quantum Electronics*, 1999, vol. 42, N. 4, 315 - 319.
158. **Talipova, T., Pelinovsky, E., Lamb, K., Grimshaw, R., and Holloway, P.** Cubic nonlinearity effects in the propagation of intense internal waves. *Doklady Earth Sciences*, 1999, vol. 365, N. 2, 241 - 244.
159. **Pelinovsky, E.** Preliminary estimates of tsunami danger for the northern part of the Black Sea. *Phys. Chem. Earth* (A), 1999, vol. 24, N. 2, 175 – 178.
160. **Holloway, P, Pelinovsky, E., and Talipova, T.** A Generalised Korteweg - de Vries model of internal tide transformation in the coastal zone. *J. Geophys. Research*, 1999, vol. 104, N. C8, 18,333 – 18,350.
161. **Pelinovsky, E., Troshina, E., Golinko, V., Osipenko, N., and Petrukhin, N.** Runup of tsunami waves on a vertical wall in a basin of complex topography. *Physics. Chem. Earth* (B), 1999, vol. 24, N. 5, 431 – 436.
162. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** Solitary wave transformation in a medium with sign-variable quadratic nonlinearity and cubic nonlinearity. *Physica D*, 1999, vol. 132, 40 - 62.
163. **Murawski, K., and Pelinovsky, E**. The effect of random flow on solar acoustic waves. *Astronomy and Astrophysics*, 2000, vol. 359, N. 2, 759 – 765.
164. **Clarke, S., Grimshaw, R., Miller, P., Pelinovsky, E., and Talipova, T.** On the generation of solitons and breathers in the modified Korteweg – de Vries equation. *Chaos*, 2000, vol. 10, N. 2, 383 – 392.
165. **Kit, E., Shemer, L., Pelinovsky, E., Talipova, T., Eitan, O., and Jiao, H.** Nonlinear wave group evolution in shallow water. *J. Waterway, Port, Costal, Ocean Eng*. 2000, vol. 126, N. 5, 221 - 228.
166. **Ivanov, A., Klevanny, K., Kozlov, S., Krasilshikov, A., Matveev, G., Pelinovsky, E., Smirnova, E., Solovitch, N., and Talipova, T.** Mathematical modeling in problems of forecasting emergency situations in the Oka river within Nizhny Novgorod oblast. *Water Resources*, 2000, vol. 27, N. 3, 271-277.
167. **Pelinovsky, E., and Ryabov, I.A.** Distribution functions of the tsunami run-up heights (from the data of international expeditions of 1992–1998). *Oceanology*, 2000, vol. 40, N. 5, 603 - 610.
168. **Pelinovskii, E., Polukhina, O., and Lamb, K.** Nonlinear internal waves in the ocean stratified in density and current. *Oceanology*, 2000, vol. 40, N. 6, 757 - 765.
169. **Pelinovsky, E., Talipova, T., and Kharif, C.** Nonlinear dispersive mechanism of the freak wave formation in shallow water. *Physica D*, 2000, vol. 147, N. 1-2, 83-94.
170. **Kharif, C., Pelinovsky, E., Talipova, T., and Slunyaev, A.** Focusing of nonlinear wave groups in deep water. *JETP Letters*, 2001, vol. 73, N. 4, 170 - 175.
171. **Massel, S.R., and Pelinovsky, E.N.** Run-up of dispersive and breaking waves on beaches. *Oceanologia* (Poland), 2001, vol. 43, N. 1, 61 – 97.
172. **Francius, M., Pelinovsky, E., and Slunyaev, A.** Wave dynamics in nonlinear media with two dispersionless limits for long and short waves. *Physics Letters A*, 2001, vol. 280, N. 1-2, 53-57.
173. **Murawski, K., Nakariakov, V.M., and Pelinovsky, E.N.** Fast magnetoacoustic waves in the randomly structured solar corona. *Astronomy and Astrophysics*, 2001, vol. 366, N. 1, 306 - 310.
174. **Choi, B.H., Pelinovsky, E., and Hong, S.J.** Simulation of prognostic tsunamis on the Korean Coast. *Geophysical Research Letters*, 2001, vol. 28, No. 10, 2013-2016.

175. **Ruderman, M.S., Roberts, B., Pelinovsky, E.N., and Petrukhin, N.S.** Slow solitary waves in multi-layered magnetic structures. *Physics Plasmas*, 2001, vol. 8, N. 6, 2682 - 2690.
176. **Agnon, Y., and Pelinovsky, E.** Accurate refraction-diffraction equations for water waves on a variable-depth rough bottom. *J. Fluid Mech*., 2001, vol. 449, 2001, 301 - 311.
177. **Grimshaw, R., Pelinovsky, D., Pelinovsky, E., and Talipova, T.** Wave group dynamics in weakly nonlinear long-wave models. *Physica D*, 2001, vol. 159, N. 1 – 2, 35 - 57.
178. **Pelinovsky, E., Kharif, C., Riabov, I., and Francius, M.** Study of tsunami propagation in the Ligurian Sea. *Natural Hazards and Earth System Sciences*, 2001, vol. 1, N. 4, 195-201.
179. **Zahibo, N., and Pelinovsky, E.** Evaluation of tsunami risk in the Lesser Antilles. *Natural Hazards and Earth System Sciences*, 2001, vol. 1, N. 4, 221-231.
180. **Pelinovsky, E., Talipova, T., Kurkin, A., and Kharif, Ch.** Nonlinear mechanism of the tsunami wave generation by atmospheric disturbances. *Natural Hazards and Earth System Sciences*, 2001, vol. 1, N. 4, 243-250.
181. **Choi, B.H., Pelinovsky, E., Riabov, I., and Hong, S.J.** Distribution functions of tsunami wave heights. *Natural Hazards*, 2002, vol. 25, No. 1, 1 - 21.
182. **Pelinovsky, E.**, **Kharif, C., Riabov, M., and Francius, M.** Modelling of tsunami propagation in the vicinity of the French coast of the Mediterranean. *Natural Hazards*. 2002, vol. 25, N. 2, 135 - 159.
183. **Murawski, K.**, **Nocera, L., and Pelinovsky, E.** Influence of wave noise on frequencies and amplitudes of the solar p-modes. *Astronomy & Astrophysics*, 2002, vol. 387, N. 1, 335 - 338.
184. **Grimshaw, R.**, **Pelinovsky, E., and Poloukhina, O.** Higher-order Korteweg-de Vries models for internal solitary waves in a stratified shear flow with a free surface. *Nonlinear Processes in Geophysics*, 2002, vol. 9, N. 3, 221-235.
185. **Kurkin, A., and Pelinovsky, E.** Focusing of edge waves above sloping beach. *European Journal of Mechanics – B/Fluid*, 2002, vol. 21, N. 5, 561-577.
186. **Slunyaev, A., Kharif, C., Pelinovsky, E., and Talipova, T.** Nonlinear wave focusing on water of finite depth. *Physica D*, 2002, vol. 173. N. 1-2, p. 77-96.
187. **Grimshaw, R., Pelinovsky, D., Pelinovsky, E., and Slunyaev, A.** Generation of large-amplitude solitons in the extended Korteweg–de Vries equation**.** *Chaos*, 2002, vol. 12, N. 4, 1070-1076.
188. **Grimshaw, R, and Pelinovsky, E.** Interaction of a solitary wave with an external force in the extended Korteweg-de Vries equation. *Int. J. Bifurcation and Chaos*, 2002, vol. 12, N. 11, 2409-2420.
189. **Boltalova, N., Pelinovsky, E., and Thiele, F.** A family of exact solutions for acoustic wave propagation in non-uniform area ducts. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2002, vol. 3, 96-104.
190. **Kokorina, A., and Pelinovsky, E.** The applicability of the Korteweg - de Vries equation for description of the statistics of freak waves. *J. Korean Soc. Coastal and Ocean Eng.*, 2002, vol. 14, N. 4, 308-318.
191. **Choi, B.H., Pelinovsky, E., Woo, S.B., Lee, J.W., and Mun, J.Y.** Simulation of tsunamis in the East Sea using dynamically-interfaced multi-grid model. *J. Korean Earthquake Engineering Society*, 2003, vol. 7, No. 1, 41-55.
192. **Poloukhin, N.V., Talipova, T.G., Pelinovsky, E.N., and Lavrenov, I.V.** Kinematic characteristics of the high-frequency internal wave field in the Arctic Ocean. *Oceanology*, 2003, vol. 43, N. 3, 356-367.
193. **Pelinovsky, E., Xu Zhaoting, Talipova, T., Shen Guojin, Kurkin, A., and Poloukhin, N.** Two approaches to study nonlinear internal waves in the horizontal inhomogeneous ocean. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2003, v. 4, 92 – 98.
194. **Pelinovsky, E.N., Slunyaev, A.V., Talipova, T.G., and Kharif, C.** Nonlinear parabolic equation and extreme waves on the sea surface. *Radiophysics and Quantum Electronics*, 2003, vol. 46, № 7, 451-463.

195. **Grimshaw, R, Pelinovsky, T., and Talipova, T.** Damping of large-amplitude solitary waves. *Wave Motion*, 2003, vol. 37, N. 4, 351 – 364.
196. **Choi, B.H., Pelinovsky, E., Hong, S.J., and Woo, S.B.** Computation of tsunamis in the East (Japan) Sea using dynamically interfaced nested model. *Pure and Applied Geophysics*, 2003, vol. 160, N. 8, 1383-1414.
197. **Kurkin, A**., and **Pelinovsky, E.** Shallow-water edge waves above an inclined bottom slowly varied in along-shore direction. *European J Mechanics / B – Fluid*, 2003, v. 22, N. 4, 305-316.
198. **Choi, B.H., Pelinovsky, E., Kim, K.O., and Lee, J.S.** Simulation of the trans-oceanic tsunami propagation due to the 1883 Krakatau volcanic eruption. *Natural Hazards and Earth System Sciences*, 2003, vol. 3, N. 5, 321 – 332.
199. **Zahibo, N., Pelinovsky, E., Yalciner, A., Kurkin, A., Koselkov, A., and Zaitsev, A.** The 1867 Virgin Island Tsunami. *Natural Hazards and Earth System Sciences*, 2003, vol. 3, N. 5, 367-376.
200. **Zahibo, N., Pelinovsky, E., Yalciner, A., Kurkin, A., Koselkov, A., and Zaitsev, A.** The 1867 Virgin Island Tsunami: observations and modelling. *Oceanologica Acta*, 2003, vol. 26, N. 5-6, 609 – 621.
201. **Zahibo, N., Pelinovsky, E., Kurkin, A., and Kozelkov, A.** Estimation of far-field tsunami potential for the Caribbean Coast based on numerical simulation. *Science Tsunami Hazards*. 2003, vol. 21, N. 4, 202 – 222.
202. **Pelinovsky, E.N.** Autoresonance processes under interaction of solitary waves with the external fields. *Int. Journal Fluid Mechanics Research*, 2003, vol. 30, No. 5, 493-501.
203. **Murawski, K**., **Nocera, L., and Pelinovsky, E.N.** Frequency and amplitude alterations of sound modes in a space-dependent random mass density field. *Waves in Random Media*, 2004, vol. 14, No. 2, 109-117.
204. **Polukhin, N.V., Pelinovskii, E.N., Talipova, T.G., and Muyakshin, S.I.** On the effect of shear currents on the vertical structure and kinematic parameters of internal waves. *Oceanology*, 2004, vol. 44, No. 1, 22-29.
205. **Pelinovsky, E., Talipova, T., Ruderman, M., and Erdelyi, R.** Freak waves described by the modified Korteweg – de Vries equation. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, v. 6, 3-16.
206. **Zahibo, N., Pelinovsky, E., Talipova, T., Rabinovich, A., Kurkin, A., and Nikolkina, I.** Analysis of cyclone activity for Guadeloupe. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, v. 6, 98 - 118.
207. **Pelinovsky, E., Zahibo, N., Dunkley, P., Edmonds, M., Herd, R., Talipova, T., Kozelkov, A., and Nikolkina, I.** Tsunami generated by the volcano eruption on July 12-13 2003 at Montserrat, Lesser Antilles. *Science of Tsunami Hazards*, 2004, v. 22, No. 1, 44-57.
208. **Nakoulima, O., Zahibo, N., Pelinovsky, E., Talipova, T., Slunyaev, A., and Kurkin, A.** Analytical and numerical studies of the variable-coefficient Gardner equation. *Applied Mathematics and Computation*, 2004, vol. 152, No. 2, 449-471.
209. **Kurkin, A., Pelinovskii, E., Choi, B.H., and Lee, J.S.** A Comparative estimation of the tsunami hazard for the Russian Coast of the Sea of Japan based on numerical simulation, *Oceanology*, 2004, vol. 44, No. 2, 163-172.
210. **Divinsky, B.V., Levin, B.V., Lopatukhin, L.I., Pelinovsky, E.N., and Slyunyaev, A.V.** A freak wave in the Black Sea: observations and simulation. *Doklady Earth Sciences*, 2004, vol. 395A, No. 3, 438 –443.
211. **Xu, Z.T., Pelinovsky, E., Shen, G.J., and Talipova, T.** A correction on two dimensional KdV equation with topography. *Progress in Natural Science*, 2004, vol. 14, No. 7, 646-648.
212. **Dubinina, V.A., Kurkin, A.A., Pelinovsky, E.N., and Poloukhina, O.E.** Weakly nonlinear periodic Stokes edge waves. *Izvestiya, Atmospheric and Oceanic Physics*, 2004, vol. 40, No. 4, 464-469.
213. **Nakoulima, O., Zahibo, N., Pelinovsky, E., Talipova, T., and Kurkin, A.** Analytical study of the solitary water wave transformation in a basin with periodic bathymetry. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, v. 9, 3-18.

214. **Yalciner, A., Pelinovsky, E., Talipova, T., Kurkin, A., Kozelkov, A., and Zaitsev, A.** Tsunamis in the Black Sea: comparison of the historical, instrumental and numerical data. *J. Geophys. Research*, 2004, *vol. 109, No. C12, C12023* 10.1029/2003JC002113.
215. **Grimshaw, R., Pelinovsky, E., Talipova, T., and Kurkin, A.** Simulation of the transformation of internal solitary waves on oceanic shelves. *J. Phys. Oceanography*, 2004, vol. 34, No. 12, 2774–2791.
216. **Grimshaw, R., Pelinovsky, E., Talipova, T., Ruderman, M. and Erdelyi, R.** Short-lived large-amplitude pulses in the nonlinear long-wave model described by the modified Korteweg–de Vries equation. *Studied Applied Mathematics*, 2005, vol. 114, No. 2, 189-210.
217. **Zahibo, N., Pelinovsky, E., Okal, E., Yalciner, A., Kharif, C., Talipova, T., and Kozelkov, A.** The earthquake and tsunami of November 21, 2004 at Les Saintes, Guadeloupe, Lesser Antilles. *Science of Tsunami Hazards*, 2005, vol. 23, No. 1, 25-39.
218. **Kharif, Ch., and Pelinovsky, E.**, Asteroid Impact Tsunamis. *Comptes Rendus Physique*, 2005, vol. 6, 361-366.
219. **Zaitsev, A.I., Kurkin, A.A., Levin, B.V., Pelinovsky, E.N., Yalciner, A., Troitskaya, Yu.I., and Ermakov, S.A.** Numerical simulation of catastrophic tsunami propagation in the Indian Ocean. *Doklady Earth Sciences*, 2005, vol. 402, No. 4, 614-618.
220. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** Soliton dynamics in a strong periodic field: the Korteweg – de Vries framework. *Physics Letters A.* 2005, vol. 344, No. 2-4, 203-210.
221. **Choi, B.H., Pelinovsky, E., Lee, H.J., and Woo, S.B.** Estimates of tsunami risk zones on the coasts adjacent to the East (Japan) Sea based on the synthetic catalogue. *Natural Hazards*, 2005, vol. 36, No. 2, 355-381.
222. **Nakoulima, O., Zahibo, N, Pelinovsky, E., Talipova, T., and Kurkin, A.** Solitary wave dynamics in shallow water above periodic bottom. *Chaos*, 2005, vol. 15, No. 3, 037107.
223. **Slunyaev, A., Pelinovsky, E., and Guedes Soares, C.** Modeling of freak waves from the North Sea. *Applied Ocean Research*, 2005, vol. 27, No. 1, 12-22.
224. **Zahibo, N., Pelinovsky, E., Talipova, T., Kozelkov, A., and Kurkin, A.** Analytical and numerical study of nonlinear effects at tsunami modelling. *Applied Mathematics and Computation*, 2006, vol. 174, No. 2, 795-809
225. **Grimshaw, R., Pelinovsky, E., Stepanyants, Yu., and Talipova, T.** Modeling internal solitary waves on the Australian North West Shelf. *Marine and Freshwater Research*. 2006, vol. 57, No. 3, 265 – 272.
226. **Zahibo, N, Pelinovsky, E, Golinko, V, and Osipenko, N.** Tsunami wave runup on coasts of narrow bays. *Int. J. Fluid Mechanics Research*. 2006, 33, No. 1, 106-118.
227. **Kurkin, A.A., Pelinovsky, E.N., and Poloukhina, O.E.** Amplitude variations of edge waves on a shelf slowly varying in the alongshore direction. *Izvestiya Atmospheric and Oceanic Physics*, 2006, vol. 42, No. 3, 351-361.
228. **Pelinovsky, E., and Sergeeva (Kokorina), A.** Numerical modeling of the KdV random wave field. *European Journal of Mechanics – B/Fluid*. 2006, vol. 25, 425-434.
229. **Choi, B.H., Hong, S.J., and Pelinovsky, E.** Distribution of runup heights of the December 26, 2004 tsunami in the Indian Ocean. *Geophysical Research Letters*, 2006, vol. 33, No. 13, L13601, doi: 10.1029/2006GL025867.
230. **Touboul, J., Giovanangeli, J.P., Kharif, Ch., and Pelinovsky, E.** Experiments and simulations of freak waves under the action of wind. *European J Mechanics B/Fluids*, 2006, vol. 25, No. 5, 662-676.
231. **Pelinovsky, E.N., and Sergeeva, A.V.** KdV-soliton dynamics in a random field. *Radiophysics and Quantum Electronics*, 2006, vol. 49, No. 7, 540-546.
232. **Didenkulova, I.I., Zahibo, N., Kurkin, A.A., Levin, B.V., Pelinovsky, E.N., and Soomere, T.** Runup of nonlinearly deformed waves on a coast. *Doklady Earth Sciences*, 2006, vol. 411, No. 8, 1241-1243.
233. **Didenkulova, I.I., Slunyaev, A.V., Pelinovsky, E.N., and Kharif, Ch.** Freak Waves in 2005. *Natural Hazards and Earth System Science*s, 2006, vol. 6, 1007 – 1015.

234. **Didenkulova, I.I., Zahibo, N., Kurkin, A.A. and Pelinovsky, E.N.** Steepness and spectrum of a nonlinearly deformed wave on shallow waters. *Izvestiya Atmospheric and Oceanic Physics*, 2006, vol. 42, No. 6, 773 - 776.
235. **Didenkulova, I.I., and Pelinovsky, E.N.** Phenomena similar to tsunami in Russian internal basins. *Russian Journal of Earth Sciences.* 2006, vol. 8, No. 6, ES6002, doi: 10.2205/2006 ES000211.9 pages.
236. **Schuiling, R.D., Cathcart, R.B., Badescu, V., Isvoranu, D., and Pelinovsky, E.** Asteroid impact in the Black Sea. Death by drowning or asphyxiation? *Natural Hazards*, 2007, vol. 40, No. 2, 327-338.
237. **Ioualalen, M.**, **Pelinovsky, E., Asavanant, J., Lipikorn, R., and Deschamps, A.** On the weak impact of the 26 December Indian Ocean tsunami on the Bangladesh coast. *Natural Hazards and Earth Science System*. 2007, v. 7, 141-147.
238. **Yalciner, A., and Pelinovsky, E.** A short cut numerical method for determination of periods of free oscillations for basins with irregular geometry and bathymetry. *Ocean Engineering*, 2007, vol. 34, No. 5-6, 747-757.
239. **Zahibo, N., Pelinovsky, E., Talipova, T., Rabinovich, A., Kurkin, A., and Nikolkina, I.** Statistical Analysis of Cyclone Hazard for Guadeloupe, Lesser Antilles. *Atmospheric Research*. 2007, vol. 84, 13-29.
240. **Lamb, K.G., Polukhina, O., Talipova, T., Pelinovsky, E., Xiao, W., and Kurkin, A.** Breather generation in fully nonlinear models of a stratified fluid. *Physical Review* 2007, vol. E75, No. 4, 046306.
241. **Zahibo, N., Slunyaev, A., Talipova, T., Pelinovsky, E., Kurkin, A., and Polukhina, O.** Strongly nonlinear steepening of long interfacial waves. *Nonlinear Processes in Geophysics*, 2007, vol. 14, No. 3, 247-256.
242. **Touboul, J., Pelinovsky, E., and Kharif, C.** Nonlinear focusing wave group on current. *Journal of Korean Society of Coastal and Ocean Engineers*, 2007, vol. `9, No. 3, 222-227.
243. **Didenkulova, I.I., Kurkin, A.A., and Pelinovsky, E.N.** Run-up of solitary waves on slopes with different profiles. *Izvestiya, Atmospheric and Oceanic Physics*, 2007, vol. 43, No. 3, 384-390.
244. **Choi, B.H., Kim, D.C., Pelinovsky, E., and Woo, S.B.** Three-dimensional simulation of tsunami run-up around conical island. *Coastal Engineering*, 2007, vol. 54, No. 8, 618-629.
245. **Zahibo, N., Didenkulova, I., and Pelinovsky, E.** Spectra of nonlinear shallow water waves. *J Korean Society Coastal and Ocean Engineers*, 2007, vol. 19, No. 4, 355-360.
246. **Kharif, C., Giovanangeli, J-P., Touboul, J., Grare, L., and Pelinovsky, E.N.** Influence of wind on extreme wave events: Experimental and numerical approaches. *JFM*, 2008, vol. 594, 209-247.
247. **Zahibo, N., Didenkulova, I., Kurkin, A., and Pelinovsky, E.** Steepness and spectrum of nonlinear deformed shallow water wave. *Ocean Engineering.* 2008, vol. 35, No. 1., 47-52.
248. **Didenkulova I.I. and Pelinovsky E.N.** Run up of long waves on a beach: the influence of the incident wave form. *Oceanology*, 2008, vol. 48, No. 1, 1-6
249. **Grue, J., Pelinovsky, E. Fructus, D. Talipova, T., and Kharif C,** Formation of undular bores and solitary waves in the Strait of Malacca caused by the 26 December 2004 Indian Ocean tsunami, *J. Geophys. Res*., 2008, 113, C05008, doi:10.1029/2007JC004343.
250. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** Fission of a weakly nonlinear interfacial solitary wave at a step. *Geophysical and Astrophysical Fluid Dynamics*. 2008, Vol. 102, No. 2, 179–194.
251. **Pelinovsky, E., Kharif, C., and Talipova, T.** Large-amplitude long wave interaction with a vertical wall. *European J. Mechanics – B/Fluids*. 2008, vol. 27, No. 4, 409-418
252. **Choi, B.H., Pelinovsky, E., Kim, D.C., Didenkulova, I., and Woo, S.B.** Two- and three-dimensional computation of solitary wave runup on non-plane beach. *Nonlinear Processes in Geophysics*, 2008, vol. 15, No. 3, 489-502.
253. **Choi B.H, Pelinovsky E., Jeon C.K. and Kim K.O.** Effects of the bottom topography on tsunami propagation in the East (Japan) Sea *China Ocean Engineering*, 2008, vol. 22, No. 2, 277-290.

254. **Ruderman M.S., Talipova T., Pelinovsky, E.** Dynamics of modulationally unstable ion-acoustic wave packets in plasmas with negative ions. *J. Plasma Physics*, 2008, vol. 74, No. 5, 639-656.
255. **Zaitsev, A.I., Kovalev, D.P., Kurkin, A.A., Levin, B.W., Pelinovsky, E.N., Chernov, A.G., Yalciner, A.** The Nevelsk tsunami on August 2, 2007: Instrumental data and numerical modeling. *Doklady Earth Sciences*, 2008, vol. 421, No. 1, 867-870.
256. **Didenkulova I.**, **Pelinovsky E., Soomere T.** Exact traveling wave solutions in strongly inhomogeneous media. *Estonian Journal of Engineering*. 2008, vol. 14, No. 3, 220-231.
257. **Choi B.H., Pelinovsky E., Kim D.C., Lee H.J., Min B.Il. and Kim K.H.** Three-dimensional simulation of 1983 central East (Japan) Sea earthquake tsunami at the Imwon Port (Korea). *Ocean Engineering*, 2008, vol. 35, No. 14-15, 1545-1559.
258. **Didenkulova I.I., Zahibo N., Pelinovsky E.N.** Reflection of long waves from a "nonreflecting" bottom profile. *Fluid Dynamics*, 2008, vol. 42, No. 4, 590-595.
259. **Touboul, J., Kharif, C.. Pelinovsky, E.N., and Giovanangeli, J-P.** On the interaction of wind and steep gravity wave groups using Miles' and Jeffreys' mechanisms. *Nonlinear Processes in Geophysics*, 2008, vol. 15, No. 6, 1023-1031.
260. **Didenkulova I., Pelinovsky E., and Soomere T.** Runup characteristics of symmetrical solitary tsunami waves of "unknown" shapes. *PAGEOPH*, 2009, vol. 165, No. 11-12, 2249–2264.
261. **Maderich V., Talipova, T., Grimshaw, R., Pelinovsky, E., Choi, B.H., Brovchenko, I., Terletska, K., Kim, D.Ch.** The transformation of an interfacial solitary wave of elevation at a bottom step. *Nonlinear Processes in Geophysics*, 2009, vol. 16, 33–42.
262. **Zahibo, N, Pelinovsky, E., and Sergeeva, A.** Weakly damped KdV soliton dynamics with the random force. *Chaos, Solitons and Fractals.* 2009, vol. 39, No. 4, 1645-1650.
263. **Didenkulova, I., Parnell, K.E., Soomere, T., Pelinovsky, E., and Kurennoy, D.** Shoaling and runup of long waves induced by high-speed ferries in Tallinn Bay. *J Coastal Research*, 2009, SI 56, 491-495.
264. **Didenkulova I., Pelinovsky E., Soomere T.** Long surface wave dynamics along a convex bottom. *J Geophysical Research - Oceans.* 2009. Vol. 114. C07006. doi:10.1029/2008JC005027.
265. **Zaitsev, A.I., Kovalev D.P., Kurkin, A.A., Levin B.V., Pelinovskii E.N., Chernov A.G., and Yalciner A.** The tsunami on Sakhalin on August 2, 2007: Mareograph evidence and numerical simulation. *Russian J Pacific Geology*, 2009, vol. 3, No. 5, 437 – 442.
266. **Beisel S.**, **Chubarov L., Didenkulova I., Kit E., Levin A., Pelinovsky E., Shokin Yu., Sladkevich M.** The 1956 Greek tsunami recorded at Yafo (Israel) and its numerical modeling. *J. Geophys. Res.*, 2009, vol. 114, C09002, doi:10.1029/2008JC005262.
267. **Didenkulova, I. and Pelinovsky, E.** Non-dispersive traveling waves in strongly inhomogeneous water channels. *Physics Letters A.*, 2009, vol. 373, No. 42, 3883- 3887.
268. **Talipova T.G., Pelinovsky E.N., Petrukhin N.S.** Penetration of internal waves into the ocean's thickness. *Oceanology*, 2009, vol. 49, No. 5, 622 – 629.
269. **Grimshaw, R., Slunyaev, A., and Pelinovsky, E.** Generation of solitons and breathers in the extended Korteweg-de Vries equation with positive cubic nonlinearity, *Chaos*, 2010, vol. 20, 013102
270. **Zahibo, N., Pelinovsky, E., Talipova, T., and Nikolkina, I.** The Savage-Hutter model for the avalanche dynamics in inclined channels: analytical solutions. *J. Geophys. Res.*, 2010, vol. 115, B03402, doi:10.1029/2009JB006515.
271. **Nikolkina I.F., Pelinovskii E.N., Talipova T.G.** Nonlinear dynamics of gravity flows in sloping channels. *Doklady Earth Sciences*, 2010, vol. 432, Pt 2, 812-815.
272. **Grimshaw, R., Pelinovsky, E., and Talipova, T.** Non-reflecting internal wave beam propagation in the deep ocean. *J. Phys. Oceanography*, 2010, vol. 40, No. 4, 802-813.
273. **Didenkulova I, Pelinovsky E.** Traveling water waves along quartic bottom profile. *Proc, Estonian Acad. Sciences*, 2010, vol. 59, No. 2, 166 - 171.
274. **Didenkulova I.I., Sergeeva A.V., Pelinovsky E.N., and Gurbatov S.N.** Statistical estimates of characteristics. of long wave run up on the shore. *Izvestiya, Atmospheric and Oceanic Physics, 2010, Vol. 46, No. 4, 530–532.*

275. **Maderich V., Talipova T., Grimshaw R., Terletska E., Brovchenko I., Pelinovsky E., Choi B.H.** Interaction of a large amplitude interfacial solitary wave of depression with a bottom step. *Physics Fluids*, 2010, vol. 22, 076602.
276. **Nikolkina I., Zahibo N., Pelinovsky E.** Tsunami in Guadeloupe (Caribbean Sea). *Open Oceanography J.*, 2010, vol. 4, 44-49.
277. **Yalciner A., Zahibo N., Pelinovsky E., Insel I., Dilmen D.I., Zaytsev A., Chernov A., Ozer C.** Understanding the possible effects of near and far field tsunamis on Lesser Antilles by numerical modelling. *Open Oceanography J.*, 2010, vol. 4, 50-57.
278. **Zahibo, N., Pelinovsky, E., Talipova, T., and Nikolkina, I.** Self-similar solutions in the theory of the underwater landslide dynamics in inclined canyons. *Open Oceanography J.*, 2010, vol. 4, 92 – 98.
279. **Ruban V., Kodama Y., Ruderman M., Dudley J., Grimshaw R., McClintock P., Onorato M., Kharif C., Pelinovsky E., Soomere T., Lindgren G., Akhmediev N., Slunyaev A., Solli D., Ropers C., Jalali1 B., Dias F., and Osborne A.** Rogue waves – towards a unifying concept? Discussions and debates. *European Physical Journal Special Topics*, 2010, vol. 185, 5 – 15.
280. **Pelinovsky E., Polukhina O., and Kurkin A.** Rogue edge waves in the ocean. *European Physical Journal Special Topics,* 2010, vol. 185, 35 - 44.
281. **Grimshaw R., Pelinovsky E., Talipova T., Sergeeva A.** Rogue internal waves in the ocean: long wave model. *European Physical Journal Special Topics,* 2010, vol. 185, 195 - 208.
282. **Pelinovsky, E., Choi, B.H., Talipova, T., Woo, S.B., and Kim, D.C.** Solitary wave transformation on the underwater step: theory and numerical experiments. *Applied Math Computations*, 2010, vol. 217, No. 4, 1704–1718.
283. **Grimshaw, R., Pelinovsky, D., and Pelinovsky, E.** Homogenization of the variable - speed wave equation. *Wave Motion*, 2010, vol. 47, No. 12, 496–507.
284. **Grimshaw, R., Talipova, T., Pelinovsky, E., and Kurkina, O.** Internal solitary waves: propagation, deformation and disintegration. *Nonlinear Processes in Geophysics*, 2010, vol. 17, 633 – 6409
285. **Torsvik, T., Paris, R., Didenkulova, I., Pelinovsky, E., Belousov, A., Belousova, M.** Numerical simulation of tsunami event during the 1996 volcanic eruption in Karymskoe lake, Kamchatka, Russia. *Natural Hazards and Earth System Sciences*, 2010, vol. 10, 2359-2369.
286. **Didenkulova, I., Nikolkina, I., Pelinovsky, E., and Zahibo, N.** Tsunami waves generated by submarine landslides of variable volume: analytical solutions for a basin of variable depth. *Natural Hazards and Earth System Sciences*, 2010, vol. 10, 2407–2419.
287. **Didenkulova, I., Pelinovsky, E., and Sergeeva, A.** Statistical characteristics of long waves nearshore. *Coastal Engineering*, 2011, Vol. 58, 94-102.
288. **Didenkulova I.I., Nikolkina I.F., Pelinovskii E.N.** Resonant amplification of tsunami waves from an underwater landslide. *Doklady Earth Sciences*, 2011, vol. 436, No. 1, 66-69.
289. **Pelinovsky E., Shurgalina E., Chaikovskaya N.** The scenario of a single freak wave appearance in deep water: Dispersive focusing mechanism framework. *Natural Hazards and Earth System Sciences,* 2011, vol. 11, No. 1, 127-134.
290. **Sergeeva, A., Pelinovsky, E., and Talipova T.** Nonlinear random wave field in shallow water: variable Korteweg – de Vries framework. *Natural Hazards and Earth System Science*, 2011, vol. 11, No. 1, 323-330.
291. **Choi, B.H., Kaistrenko, V., Kim, K.O., Min, B.I., and Pelinovsky, E.** Rapid forecasting of tsunami runup heights from 2D numerical simulation data. *Natural Hazards and Earth System Sciences*, 2011, vol. 11, No. 3, 707-714.
292. **Didenkulova, I. and Pelinovsky, E.** Runup of tsunami waves in U – shaped bays. *PAGEOPH*, 2011, vol.168, No. 6-7, 1239-1249.
293. **Pelinovsky, E.N., and Rodin, A.A.** Nonlinear deformation of a large-amplitude wave on shallow water. *Doklady Physics*, 2011, vol. 56, No. 5, 305-308.

294. **Didenkulova, I., Pelinovsky, E., Soomere, T., and Parnell, K.E.** Beach profile change caused by vessel wakes and wind waves in Tallinn Bay, the Baltic Sea. *J Coastal Research*, 2011, vol. SI 64, 60-64.
295. **Kim, K.O., Choi, B.H., Pelinovsky, E., Yuk, J.H and Min, B.I.** East Sea/Japan Sea Tsunami Simulator. *J Coastal Research*, 2011, vol. SI 64, 1058-1062.
296. **Min, B.I., Kaistrenko, V.M., Pelinovsky, E., and Choi, B.H.** Rapid forecasting of tsunami runup using the shallow-water modeling of tsunami propagation in the East (Japan) Sea. *J Coastal Research*, 2011, vol. SI 64, 1135-1139.
297. **Kurkina, O., Talipova, T., Pelinovsky, E., and Soomere, T.** Mapping the internal wave field in the Baltic Sea in the context of sediment transport in shallow water. *J Coastal Research*, 2011, vol. SI 64, 2042-2047.
298. **Didenkulova I.I., Pelinovsky E.N.** Reflection of a long wave from an underwater slope. *Oceanology*, 2011, vol. 51, No. 4, 568-573.
299. **Talipova T.G., Pelinovsky E.N.** Transformation of internal waves over an uneven bottom: Analytical Results. *Oceanology*, 2011, vol. 51. No. 4, 582-587.
300. **Petrukhin N.S., Pelinovsky E.N., Batsyna E.K.** Reflectionless propagation of acoustic waves through the Earth's Atmosphere. *JETP Letters*, 2011, vol.93, No. 10, 564-567.
301. **Pelinovsky, E., and Kharif, C.** Outcomes of the Special issue of Extreme and Rogue Waves. *Natural Hazards and Earth System Science*, 2011, vol. 11, No. 7, 2043-2046.
302. **Didenkulova I., Pelinovsky E.** Nonlinear wave evolution and runup in an inclined channel of a parabolic cross-section. *Phys Fluids* 2011, vol. 23, Issue 8, 086602
303. **Nikolkina I., Zahibo N., Talipova T., Pelinovsky E.** Pyroclastic flow from Soufrière Hills Volcano, Montserrat: solid block model. *Int. J Geosciences*, 2011, vol. 2, 326-335.
304. **Talipova T.G., Pelinovsky E.N., Kharif Ch.** Modulation instability of long internal waves with moderate amplitudes in a stratified horizontally inhomogeneous ocean. *JETP Letters*, 2011, vol. 94, No. 3, 182-186.
305. **Zaitsev, A.I., and Pelinovsky, E.N.** Forecasting of tsunami wave heights at the Russian Coast of the Black Sea. *Oceanology*, 2011, vol. 51, No. 6, 907-915.
306. **Didenkulova, I., Pelinovsky, E., and Soomere, T.** Can the waves generated by fast ferries be a physical model of tsunami? *PAGEOPH*, 2011, vol. 168, No. 11, 2071-2082.
307. **Kurkina O.E., Kurkin A.A., Soomere, T. Pelinovsky E.N., Ruvinskaya E.A.** Higher-order (2+4) Korteweg-de Vries - like equation for interfacial waves in a symmetric three-layer fluid. *Physics Fluids*. 2011, vol. 23, 116602.
308. **Didenkulova I., Pelinovsky E., Rodin A.** Nonlinear interaction of large-amplitude unidirectional waves in shallow waters. *Estonian Journal of Engineering*, 2011, vol. 17, No. 4, 289-300.
309. **Denissenko P., Didenkulova I., Pelinovsky E., Pearson J.** Influence of the nonlinearity on statistical characteristics of long wave runup. *Nonlinear Processes in Geophysics*, 2011, vol. 18, No. 6, 967-975.
310. **Zahibo, N., Pelinovsky, E., Yalciner, A., Zaitsev, A., Talipova, T., Nikolkina, I., and Chernov, A.** Trans-Atlantic propagation of 1755 tsunami and its effects on the French West Indies. *The Open Oceanography J*. 2011, vol. 5, 30-41.
311. **Didenkulova I., Pelinovsky E.** Nonlinear wave effects at the nonreflecting beach. *Nonlinear Processes in Geophysics*, 2012, vol. 19, No. 1, 1-8.
312. **Kurkina O. E., Kurkin A.A., Ruvinshaya E.A., Pelinovsky E.N., Soomere T.** Dynamics of solitons in a nonintegrable version of the modified Korteweg – de Vries equation. *JETP Letters*, 2012, vol. 95, No. 2, 91-95.
313. **Petrukhin N.S., Pelinovsky E.N., Talipova T.G**. Nonreflected vertical propagation of acoustic waves in a strongly inhomogeneous atmosphere. *Izvestiya, Atmospheric and Oceanic Physics*, 2012, vol. 48, No. 2, 169-173.
314. **Petrukhin N.S., Pelinovsky E.N., Batsyna E.K.** Reflectionless propagation of acoustic waves in the solar atmosphere. *Astronomy Letters*, 2012, vol. 38, No. 6, 388 – 339.

315. **Choi B.H., Min B.I., Pelinovsky E. Tsuji Y., Kim K.O.** Comparable analysis of the distribution functions of runup heights of the 1896, 1933 and 2011 Japanese Tsunamis in the Sanriku Area. *Natural Hazards and Earth System Sciences*, 2012, vol. 12, 1463-1467.
316. **Dyskin, A.V., Pasternak E., and Pelinovsky, E.** Periodic motions and resonances of impact oscillators. *Journal of Sound and Vibration*, 2012, vol. 331, 2856 – 2873.
317. **Pelinovsky E.N., Rodin A.A.** Transformation of a strongly nonlinear wave in a shallow-water basin. *Izvestiya, Atmospheric and Oceanic Physics*, 2012, vol. 48, 383-390.
318. **Finkl C.W., Pelinovsky E., Cathcart R.B.** A review of potential tsunami impacts on the Suez Canal. *J. Coastal Research*, 2012, vol. 28, No. 4, 745-759.
319. **Petrukhin N.S., Pelinovsky E.N., Batsyna E.K.** Reflectionless acoustic gravity waves in the Earth's atmosphere. *Geomagnetism and Aeronomy*, 2012, Vol. 52, No. 6, 814–819.
320. **Chabchoub A., Hoffmann N., Onorato M., Slunyaev A., Sergeeva A., Pelinovsky E., Akhmediev N.** Observation of a hierarchy of up to fifth-order rogue waves in a water tank. *Physical Review E*. 2012, vol. 86, No. 5. Article Number: 056601
321. **Choi B.H., Min B.I., Pelinovsky E., and Kim K.O.** Estimation of runup heights of the 2011 Off the Pacific Coast of Tohoku Earthquake Tsunami based on numerical simulations. *The Open Oceanography Journal*. 2012, vol. 6, 5-13.
322. **Pelinovsky E.N., Shurgalina E.G., Sergeeva A.V., Talipova T.G., El G., Grimshaw R.H.J.** Two-soliton interaction as an elementary act of soliton turbulence in integrable systems. *Physics Letters A, 2013*, vol. 377, No. 1, 272-275.
323. **Ezersky A., Abcha N., Pelinovsky E.** Physical simulation of resonant wave run-up on a beach. *Nonlinear Processes in Geophysics*, 2013, vol. 20, No. 1, 35-40.
324. **Didenkulova I.**, **Nikolkina I., Pelinovsky E.** Rogue waves in the basin of intermediate depth and the possibility of their formation due to the modulational instability. *JETP Letters*, 2013, Vol. 97, No. 4, pp. 194–198.
325. **Ezersky A., Tiguercha D., Pelinovsky E.** Resonance phenomena at the long wave run-up on the coast. *Natural Hazards and Earth System Sciences Discussion*, 2013, vol. 1, 561-582.
326. **Talipova T., Terletska K., Maderich V., Brovchenko I., Kyung Tae Jung, Pelinovsky E. and Grimshaw R.** Internal solitary wave transformation over the bottom step: loss of energy**.** *Phys. Fluids* 2013, vol. 25, 032110; doi: 10.1063/1.4797455
327. **Kim D.C., Kim K.O., Pelinovsky E., Didenkulova I., and Choi B.H.** Three-dimensional tsunami runup simulation at the Koborinai port, Sanriku coast, Japan. *Journal of Coastal Research*, SI, 2013, vol.65, 266-271
328. **Kim D.C., Kim K.O., Choi B.H., Kim K.H., and Pelinovsky E.** Three-dimensional runup simulation of the 2004 Indian Ocean tsunami at the Lhok Nga Twin Peaks. *Journal of Coastal Research*, SI, 2013, 65, 272-277.
329. **Kyeong Ok Kim, Byung Ho Choi, Efim Pelinovsky, Kyung Tae Jung.** Three-dimensional simulation of 2011 East Japan-off Pacific coast earthquake tsunami induced vortex flows in the Oarai port. *Journal of Coastal Research*, SI, 2013, vol. 65. 284-289.
330. **Didenkulova I., Denissenko P., Rodin A., Pelinovsky E.** Effects of wave asymmetry on its runup on a beach. *Journal of Coastal Research*, 2013, SI vol. 65. 207-212.
331. **Denissenko P., Didenkulova I., Rodin A., Listak M., Pelinovsky E.** Experimental statistics of long wave runup on a plane beach. *Journal of Coastal Research*, 2013, SI vol. 65, 195-200.
332. **Pelinovsky E., Didenkulova I., Mendez F., Rybski D., and Tinti. S.** Preface "Sea hazards" Nat. Hazards Earth Syst. Sci., 2013, vol. 13, 1063-1067.
333. **Ruderman M.S., Pelinovsky E., Petrukhin N.S., Talipova T.** Non-reflective propagation of kink waves in solar magnetic tubes. *Solar Physics*, 2013, vol. 286, 417-426.
334. **Didenkulova I., Pelinovsky E.** Transformation of an irregular wave field along a quartic bottom profile. *Proc. Estonian Academy of Sciences.* 2013, vol. 62, No. 3, 155–160.
335. **Kartashova E., Pelinovsky E., and Talipova T.** Fourier spectrum and shape evolution of an internal Riemann wave of moderate amplitude. *Nonlinear Processes in Geophysics*, 2013, vol. 20, 571-580.

336. **Pelinovsky D., Pelinovsky E., Kartashova E., Talipova T., and Giniyatullin A.** Universal power law for the energy spectrum of breaking Riemann waves. *JETP Letters*, 2013, vol. 98, No. 4, 237-241.
337. **Slunyaev A., Pelinovsky E., Sergeeva A., Chabchoub A., Hoffmann N., Onorato M., and Akhmediev N.** Super rogue waves in simulations based on weakly nonlinear and fully nonlinear hydrodynamic equations. *Physical Review E*, 2013, vol. 88, No. 1, 012909.
338. **Didenkulova I., Pelinovsky E.** Analytical solutions for tsunami waves generated by submarine landslides in narrow bays and channels. *Pure and Applied Geophysics*, 2013, vol. 170, Issue 9, 1661-1671.
339. **Pelinovsky E.N. and Rodin A.A.** Nonlinear effects at the initial stage of tsunami wave development. *Izvestiya, Atmospheric and Oceanic Physics*, 2013, Vol. 49, No. 5, pp. 548–553

Articles in Refereed Journals Published in Russian: (85)

1. **Gorshkov K.A., Ostrovsky L.A., Papko V.V., Pelinovsky E.N.** Parametric pulse generation in nonlinear wave systems. *Questions of Radio-Electronics*, 1972, N. 3, 65 -67.
2. **Ostrovsky L.A., Pelinovsky E.N.** Nonlinear waves in inhomogeneous media. In: *Problems of Wave Diffraction and Propagation*. Leningrad. 1973, N. 12, 44 - 51.
3. **Gorschkov K.A., Pelinovsky E., et al.,** Formation and radiation of acoustical video-pulses. In: *Applied Acoustics*. Taganrog. 1976, N.2, 43 - 49.
4. **Pelinovsky E.N., Fridman, V.E.** Influence of statistical effects on propagation of spherical waves of finite amplitude. In: *Applied Acoustics*. Taganrog, 1976, N. 4, 26 - 30.
5. **Pelinovsky E.N.** Solitary wave transformation on a shelf with horizontal bottom. In: *Theoretical and Experimental Investigations on Tsunami Problem*. Moscow. 1977, 61 - 63.
6. **Ermakov S.A., Pelinovsky E.N.** Nonlinear Theory of multimodal distributions of internal waves in the ocean. In: *Hydrophysical Investigations* (Trans. Sakhalin Inst. N. 54), Yuzhno - Sakhalinsk, 1977, 105 - 107.
7. **Pelinovsky E.N., Soustova I.A, Fridman V.E.** Diffraction of tsunami waves in the ocean of variable depth. In*: Theory and Operational Forecasting of Tsunami* (Ed. Soloviev S.). Moscow: Nauka, 1980, 12 - 17.
8. **Pelinovsky E.N., Stepanjants Yu.A.** Soliton passing through a focus. *Radiofizika*, 1981, vol. 24, N. 3, 387 - 389.
9. **Pelinovsky E.N., Stepanjants Yu.A.** On the time of soliton formation from initial disturbances in the frame of Korteweg-de Vries equation. *Radiofizika*, 1981, vol. 24, N. 7, 908 - 911.
10. **Pelinovsky E.N., Stepanyants Yu.A.** Cylindrical tsunami waves. In: *Tsunami Waves Propagation and Run-Up on a Beach* (Ed. Soloviev S.), Moscow: Nauka, 1981, 104 - 117.
11. **Mazova R.Kh., Pelinovsky E.N., Schavratsky S.Kh.** One-dimensional theory of nonbreaking tsunami waves climbing on a beach. In*: Processes of Tsunami Generation and Propagation* (Ed. Soloviev S.). Moscow, 1982, 98 - 103.
12. **Bravo-Zhivotovsky D.M. et al.** Investigations of ocean internal waves action on wind waves by remote sensors. *Doklady AN SSSR*, 1982, vol. 265, N. 2, 457 - 460.
13. **Ermakov S., Pelinovsky E., Talipova T.** Influence of internal waves on short wind ripple by means of surface-active films. In*: The Influence of Internal Waves on Sea Surface* (Ed. Pelinovsky E.). Gorky: Institute of Applied Phys., 1982, pp. 31 - 51.
14. **Go Ch.N., Kaistrenko V.M., Pelinovsky E.N., Simonov K.V.** Prediction of tsunami-risk for the coast of the Kamchatka and North Kuril Islands. *Bull. Kuril - Kamchatka Prognostic Polygon*, 1985, N.1, 46 - 56.
15. **Dreyzis Yu.I., Kantarzhi I.G., Pelinovsky E.N.** Wave filtration by shear current. *Vodny Resurcy* (Water Resources), 1986, N. 1, 105 - 109.
16. **Klevanny K.A., Pelinovsky E.N.** Tsunami dissipation in the near-bottom boundary layer: a model with constant exchange coefficients. *Tsunami Researches*, 1986, N. 1, 80 - 88.

17. **Nefedov L.M., Pelinovsky E.N., Soustova I.A.** Pressure fluctuations caused by internal waves. *Morskoi Gidrof. Zh.*, (Marine Hydrophys. J.), 1987, N. 1, 63-64.
18. **Kozlov S.I., Pelinovsky E.N., Talipova T.G.** Dynamics of surface-active films at the sea surface during internal waves passing. *Morskoi Gidrof. Zh.*, (Marine Hydrophys. J.), 1987, N. 4, 3-8.
19. **Kantarzhi I.G., Pelinovsky E.N., Rybka V.G.** Wave regime prediction in coastal zone of non-tidal seas. In*: Problems of Engineering Protection of Beaches*. Moscow, 1987, 59-68.
20. **Nagovitsyn A.P., Pelinovsky E.N.** Solitary internal wave observation in coastal zone of Okhotsk Sea. *Meteorology i Hydrology*, 1988, N. 4, 124 - 126.
21. **Golinko V.I., Pelinovsky E.N.** Long wave runup on a beach in a channel of arbitrary cross-section. *Meteorology i Hydrology*, 1988, N. 9, 107-112.
22. **Mazova R.Kh., Osipenko N.N., Pelinovsky E.N.** Characteristics of a mobile water edge in the running-up of arbitrary-shaped tsunami waves. *Tsunami Researches*, 1988, N. 3, 61 - 73.
23. **Kochergin I.E., Pelinovsky E.N.** Tsunami propagation along beach on large distance. In: *Oscillations and Waves in Fluids*. Nizhny Novgorod. 1988, 11 - 19.
24. **Galkin V., Golinko V., Pelinovsky E.** Analytical theory of long wave runup on a beach of the channel of variable cross-section. In*: Hydrophysical Processes in the Rivers, Reservoirs and Marginal Seas*. Moscow: Nauka, 1989, 155 - 162.
25. **Pelinovsky E.N., Trepachev V.V.** Wave diffraction on underwater obstacle. In: *Oscillations and Waves in Mechanics*. Gorky: Polytechnic Institute, 1989, 84 - 90.
26. **Mirchina N.R., Pelinovsky E.N.** Reconstruction of underwater explosion characteristics on tsunami waves. In: *Natural Hazards in Far-East Region*. Vladivostok. 1990, vol. 1, 62 - 82.
27. **Massel S., Pelinovsky E.N., Chibitski** V. Run-up of "dispersive" waves on slope beach. In: *Oscillations and Waves in Fluid and Gas*, Polytechnic Institute Press, Gorky, 1990, 6 - 19.
28. **Mazova R.Kh., Osipenko N.N., Pelinovsky E.N**. Investigation of climbing of a single wave on a beach with kern. *Problems of Beach Protection*, 1990, Moscow, 74 - 79.
29. **Kochergin I.E., Pelinovsky E.N., Stepanyants Yu.A.** Nonlinear - dispersive transformation of tsunami waves from the deep to shallow water. *Proc. Far-East Hydromet. Institute*, Vladivostok, 1991, N. 145, 58-67.
30. **Nikolaenko E.G., Pelinovsky E.N., Talipova T.G.** The averaging profiles of Brunt-Vajasala frequency and its variation in tidiness seas in spring - summer hydrological season. In: *Hydrophysical and Hydrochemical Investigations of Black Sea* (Ed. V. Eremeev). Sevastopol: Marine Hydrophysical Institute, 1992, 80 - 91.
31. **Pelinovsky E., Rasin A.** To the theory of nonlinear Wave propagation in waveguide systems with fluctuated parameters. In*: Oscillations and Waves in Fluids.* Nizhny Novgorod Polytechnic Institute Press. 1992. 48 - 54.
32. **Klochkov B.N., Pelinovsky E.N.** The Models of inhomogeneous blood flow distribution in tissue. In: *Biorhythmical and self-organization processes in the cardiovascular System: theoretical aspects and practical significance* (Eds. V.Antonets & N.Matusova). N. Novgorod: Institute of Applied Physics Press. 1992, 33 - 42.
33. **Garder O., Dolina I., Pelinovsky E., Poplavsky A., Fridman V.** Generation of tsunami by gravity litodynamical processes. *Tsunami Researches*, 1993, N. 5, 50 - 60.
34. **Pelinovsky E., Golinko V., Mazova R.Kh.** Tsunami run-up: rigorous analytical results. *Tsunami Researches*, 1993, N. 5, 78 - 106.
35. **Galkin V., Golinko V., Malizhenkova V., Pelinovsky E.** Reconstruction of tsunami characteristics in the origin from coastal records. *Tsunami Researches*, 1993, N. 5, 106 - 111.
36. **Kaistrenko V., Pelinovsky E., et al.** Tsunami manifestations of 4th October 1994 in Shikotan. *Geodynamics of Tectonosphere of the Pacific - Eurasia Conjunction Zone. Vol. 8, Concrete Tsunami Manifestation*. Yuzhno-Sakhalinsk. 1997, 55 - 73.
37. **Kozlov, S.I., Pelinovsky, E.N., Petrukhin, N.S., Talipova, T.G.** Computer software for prediction of hazardous events in rivers of the Nizhny Novgorod region. *Systems of information processing and management.* Nizhny Novgorod: State Technical University, 1998, N. 3, 97-102.

38. **Pelinovsky, E., Ryabov, I.** Statistical data of along-shore distribution of the tsunami heights. *Applied Problems of Mathematics and Informatics.* (Ed. Petrukhin N.), Nizhny Novgorod, State Technical University, 1999, 50 - 69.
39. **Talipova, T., Pelinovsky, E., Holloway, P.** Nonlinear models of transformation of internal tides on the shelf. In: *Ocean Subsurface Layer: Physical Processes and Remote Sensing.* Nizhny Novgorod, Institute of Applied Physics, 1999, v. 1, 154 – 172.
40. **Pelinovsky, E.N., Kharif, C.** Dispersive compression of wave packages as mechanism of occurrence of abnormal high waves on a surface of ocean. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2000, vol. 1, 50 - 61.
41. **Pelinovsky, E.N., Ryabov, I.A., Kharif, C.** Modeling of tsunamis in the Ligurian Sea. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2000, vol. 1, 61 - 76.
42. **Pelinovsky, E.N., Poloukhina, O.E.** High-order Korteweg–de Vries equation for internal waves in stratified shear flows. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2000, vol. 1, 117 - 133.
43. **Pelinovsky, E.N., Poloukhin, N.V., Talipova, T.G.** Geographic and season distribution of the phase velocity of linear internal waves in the World Ocean. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2000, vol. 1, 133 - 143.
44. **Aceev, A.Yu., Kozyurev, O.R., Kurkin, A.A., Pelinovsky, E.N.** Spatial–temporal focusing of the Stokes waves. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2001, vol. 2, 3 – 19.
45. **Zahibo, H., Pelinovsky, E., Khramushin, V.** Tsunami Modeling at Lesser Antilles. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Informatics*, 2001, vol. 2, 68 – 84.
46. **Pelinovsky, E.** Physical mechanisms of the oceanic freak wave appearance. *The studies in the field of the oceanography, atmospheric physics, geography, ecology, water problems.* Russian Academy of Science, Section of Oceanography, Atmospheric Physics and Geography. Moscow: Geos, 2001, 119-124.
47. **Stromkov, A., Didenkulov, I., Kazarova, A., Karlik, Ya., Lyubavin, L., Pelinovsky, E.** Measurement and identification of signal travel time fluctuations at long acoustic paths. *Proc. 11 Session of Russian Acoustical Society*, 2001, 252 - 255.
48. **Zaitsev, A.I., Kozelkov, A.C., Kurkin, A.A., Pelinovsky E.N., Talipova T.G., Yalciner A.C.** Tsunami modeling in the Black Sea. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2002, vol. 3, 27 – 45.
49. **Kokorina, A.V., Pelinovsky, E.N.** Wind wave modeling in the framework of the Korteweg – de Vries equation. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2002, vol. 3, 46 – 61.
50. **Zaitsev A.I., Kurkin A.A., Kozelkov A.C., Pelinovsky E.N., Yalciner A.** Comparable estimates of tsunami risk for the Black Sea Coast of Russia. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2003, vol. 4, 62 – 70.
51. **Didenkulova I.I., Zaitzev A.I., Krasilshikov A.A., Kurkin A.A., Pelinovsky E.N., Yalciner A.C.** Nizhny Novgorod 1597 tsunami on Volga River. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2003, vol. 3, 170 – 180.
52. **Poloukhin N.V., Talipova T.G., Pelinovsky E.N., and Lavrenov I.V.** Modeling of internal solitary wave transformation on the self of the Laptevykh Sea. *Izvestia of Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics***,** 2003, vol. 4, 3-16.
53. **Pelinovsky E., Zahibo N., Dunkley P., Talipova T., Kozelkov A.C., Kurkin A.A., Nikolkina I.F., Samarina N.M.** Tsunami induced by volcano eruptions on Montserrat, Caribbean Sea. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, vol. 6, 31-59.
54. **Kokorina A.V., Pelinovsky E.N.** Statistical description of nonlinear random wave field in shallow water. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, vol. 6, 74 – 77.

55. **Ezersky A.B., Pelinovsky E.N., Poloukhina O.E.** Excitation of internal wave solitons in resonators. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, vol. 6, 90 – 97.
56. **Kurkin A., Zaitsev A., Yalciner A., Pelinovsky E.** Modified computer code "TSUNAMI" for evaluation of risks connected to tsunami. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, vol. 9, 88-100.
57. **Zaitsev A., Kurkin A., Pelinovsky E.** Historical tsunamis of the Caspian Sea and their modelling. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2004, vol. 9, 121-134.
58. **Kurkin A.A., Zaytsev A.I., Samarina N.M., Pelinovsky E.N**. Tsunami generation by atmospheric disturbances. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2005, vol. 13, 35-42.
59. **Kurkin A.A., Pelinovsky E.N., Polukhin N.V., Zaitsev A.I., Kaistrenko V.M., Korolev yu.P., Razzhigaeva N.G., Ptasetya G., Hidayat R.** Catastrophic tsunami in the Indian Ocean in December 26, 2004, data of field surveys of north-eastern part of Sumatra island and Simeulue island. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2005, vol. 13, 63-75.
60. **Choi B.H., Kurkin A.A., Pelinovsky E.N., Polukhin N.V., Subandono D., Yoon S., Hong S., Hwang D., Hidayat R.** Field surveys of coast of Indonesia near strait of Malacca after tsunami in December 26, 2004. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2005, vol. 13, 76-85.
61. **Didenkulova I.I., Pelinovsky E.N., Kurkin A.A.** Properties of nonlinear shallow water waves: shape, steepness and spectrum. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2006, vol. 18, 18-32.
62. **Didenkulova I.I., Pelinovsky E.N.,** Comparison of data of two global tsunamis in the Indian Ocean. *Izvestia, Russian Academy of Engineering Sciences, Series: Applied Mathematics and Mechanics*, 2006, vol. 18, 58-64.
63. **Didenkulova I.I., Zaitsev A.I., Pelinovsky E.N.** Tsunami of 1806 in Kosmodemyanske on Volga River. *Morskoi Gidrophisicheski Zhurnal (Marine Hydrophysical Journal)*. 2007, № 1, 73-76.
64. **Pelinovsky E.N.** Freak waves: facts, theories and modeling. *Advances in Current Natural Sciences*, 2007, № 9, 113.
65. **Talipova T.G., Pelinovsky E.N.** On the simulation of "Lavrenov's Wave" on the shallow sea surface. *Fundamental and Applied Hydrophysics*, 2009, No. 2 (4), 30-36.
66. **Didenkulova I.I., Pelinovsky E.N.** Tsunami-like events in Russian inland waters. *Fundamental and Applied Hydrophysics*, 2009, No. 3 (5), 52-64.
67. **Pelinovsky E.N., Slunyaev A.V.** Killer Waves: what are? *Collection of scientific popular papers – winners of the RFBR competition in 2008*. 2009, vol. 12, part 2, 97-110.
68. **Pelinovsky E.N., Talipova T.G.** Non-reflected wave propagation in strongly inhomogeneous media. *Fundamental and Applied Hydrophysics*, 2010, vol. 3 (9), No. 3, 4-13.
69. **Pelinovsky E.N., Shurgalina E.G.** Anomalous wave amplification near a vertical barrier. *Fundamental and Applied Hydrophysics*, 2010, No. 4 (10), 28-37.
70. **Didenkulova I.I., Sergeeva A.V., Pelinovsky E.N., Gurbatov S.N.** Statistical estimations of the characteristics of the long wave runup. *Fundamental and Applied Hydrophysics*, 2010, No. 4 (10), 56-64.
71. **Zaytsev A.I., Pelinovsky E.N. Yalciner A.** The forecast of the tsunami waves heights at the Russian Black Sea Coast. *Transactions of Nizhni Novgorod State Technical University n.a. R.Y. Alexeev*, 2011, No 1, 35-43.
72. **Pelinovsky E.N, Zaytsev A.I.** The estimation and mapping of tsunami dangerous at the Ukrainian Black Sea Coast. *Transactions of Nizhni Novgorod State Technical University n.a. R.Y. Alexeev***,** 2011, No. 3 (90), 44 - 50.
73. **Petrukhin N., Pelinovsky E.** Water flow modeling in the framework of 1d shallow-water equations *Transactions of Nizhni Novgorod State Technical University n.a. R.Y. Alexeev***,** 2011, № 4 (91), 60-69.

74. **Zaitsev A., Malashenko A., Pelinovsky E.** Abnormal bog waves near the Southern Coast of Sakhalin Island. *Fundamental and Applied Hydrophysics*, 2011, vol. 4, No 4, 35-42.
75. **Petrukhin N., Pelinovsky E.** Riemann waves in the dynamics of the landslides on plane slope. *Modern problems of the science and education*. 2011, No. 6. 8 pages.
76. **Zaitsev A., Malashenko A., Kostenko I., Pelinovsky E., Kuznetsov K.** Freak waves registration in the Aniva Bay, Okhotsk Sea. *Transactions of Nizhni Novgorod State Technical University n.a. R.Y. Alexeev*, 2012, No. 1 (94), 33-41.
77. **Galkin V.M., Pelinovsky E.N.** On the evolution equations in the soliton theory and in tsunami waves propagation. *Transactions of Nizhni Novgorod State Technical University n.a. R.Y. Alexeev*, 2012, No. 1(94), 329-334.
78. **Shurgalina E., Pelinovsky E.** Development of freak swell wave in a weak wave field. *Fundamental and Applied Hydrophysics*, 2012, vol. 5, No. 1, 77-88.
79. **Didenkulova I., Pelinovsky E., Rodin A.** Formation of shallow water rogue waves taking into account wave breaking effects *Fundamental and Applied Hydrophysics*, 2012, vol. 5, No. 1, 89-98.
80. **Tyugin D., Kurkin A., Pelinovsky E., Kurkina O.** Increase of productivity of the program complex for modeling of internal gravity waves IGW research with the help of Intel® Parallel Studio XE 2013. *Fundamental and Applied Hydrophysics*, 2012, vol. 5. No. 3, 89-95.
81. **Didenkulova I.I., Pelinovsky D.E., Tyugin D.Yu., Giniyatulin A.R., Pelinovsky E.N.** Travelling long waves in the water rectangular channels of variable cross-section. *Bulletin of the Moscow State Regional University, Series "Natural Sciences"*, 2012, No. 5, 89-93.
82. **Rodin A.A., Didenkulova I.I., Pelinovsky E.N.** Interaction of large-amplitude solitary waves in shallow-water basin. *Fundamental Research*, 2012, No. 11. Part 3, 710-714.
83. **Talipova T., and Pelinovsky E.** Modeling of propagating long internal waves in an inhomogeneous ocean: the theory and its verification. *Fundamental and Applied Hydrophysics*, 2013, vol. 6, No. 2, 46-54.
84. **Pelinovsky E., and Shurgalina E.** Interaction of solitary internal waves of finite amplitude. *Fundamental and Applied Hydrophysics*, 2013, vol. 6, No. 2, 78-86.
85. **Talipova T.G., Pelinovsky E.N., Kurkina O.E., Rouvinskaya E.A., Giniyatullin A.R., Naumov A.A.** Nonreflective propagation of internal waves in a channel of variable cross-section and depth. *Fundamental and Applied Hydrophysics*, 2013, vol. 6, No. 3, 46-53.

Articles in Journals Published in Other Languages (10)

1. **Choi Byong Ho, Ko Jin Seok, Chung Hong Fa, Kim Eung Bok, Oh Im Sang, Choi Jong In, Sim Jae Seol, Pelinovsky E.** Tsunami runup survey at East Coast of Korea due to the 1993 Southwest of the Hokkaido Earthquake. *J. Korean Soc. Coastal and Ocean Engineers,* 1994, vol. 6, N. 1, 117 - 125. (in Korean).
2. **Choi, B.H., Pelinovsky, E., Woo, S.B.** A numerical simulation of the 1993 East Sea tsunami. *J. Korean Soc. Coastal and Ocean Engineers*, 1994, vol. 6, N. 4, 404 - 412. (in Korean).
3. **Kharif, C.**, **Pelinovsky, E., Talipova, T.** Formation de vagues géantes en eau peu profonde. *Comptes Rendus de l'Academie des Sciences,* 2000, vol. 328, serie IIb, N. 11, 801 – 807 (in French).
4. **Choi B.H., Pelinovsky E., Lee J.S., Woo S.B.** Estimation of tsunami risk zoning on the coasts adjacent to the East Sea from hypothetical earthquakes. *J. Earthquake Engineering Society of Korea*, 2002, vol. 6, No. 6, 1-17 (in Korean).
5. **Pelinovsky E, Lechuga A., Kurkin A., Poloukhina O., Dubinina V.** Ondas de orilla gigantes. *Ingenieria Civil*. 2005, No. 140, 93-98 (in Spanish).
6. **Choi B.H., Pelinovsky E. and Hong S.J.** Simulation of 1983 Central East Sea Tsunami by Parallel FEM Model, *J. Korean Soc. Coastal and Ocean Engineers*, 2006, vol. 18, No. 1, 21-34 (in Korean).
7. **Choi B.H., Pelinovsky E. and Hong S.J.** Simulation of 1993 East Sea Tsunami by Parallel FEM Model, *J. Earthquake Engineering Society of Korea*, 2006, vol. 10, No. 3, 35-45 (in Korean).

8. **Kharif, Ch., and Pelinovsky, E.** Un tsunami sur la Côte d'Azur? *Metmar*, 2006, No. 213, 12 – 15 (in French).
9. **Choi B.H., Pelinovsky E., Kim K.O.** High wave at Boryeong Coast: was that genuine shallow freak wave? *Understanding the single extreme wave at Boryeong Coast on May 4, 2008* (Ed. Choi B.H.), 2008, 1-7 (in Korean).
10. **Vella C., Pelinovski E., Demory F., Canut V., Dussouillez P., and Fleury T.-J.** Les mega-blocs de la bordure orientale du Golfe de Fos : margueurs de tempetes exceptionnelles de sud-ouest. *JOURNEES «IMPACTS DU CHANGEMENT CLIMATIQUE SUR LES RISQUES CÔTIERS»* (15-16 novembre 2010, Orleans, France), 2010, 67-70 (in French).

Articles in Refereed Proceedings of Int. Conferences (72 after 1992)

1. **Mazova, R.Kh., Pelinovsky, E.N.** Analytical theory for long wave runup on the sloping beach. *Proc. 3d Int. Conf. on Coastal and Port Engineering in Developing Countries (COPEDEX)*, Keniya, 1991, vol. 2, 1372 - 1383.
2. **Klochkov, B.N., Pelinovsky, E.N.** Nonlinear models of blood flow in tissues. *Lecture Notes of the ICB Seminars*, Warsaw, Poland, 1992, No. 15, 70 - 81.
3. **Kit, E., Pelinovsky, E.** Cross-shore transport and equilibrium bottom profiles. *Proc. 4th Int. Conf. on Coastal and Port Engineering in Developing Countries (COPEDEX)*, 1995, vol. 1, 185 - 199.
4. **Kit, E., Pelinovsky, E., Talipova, T.** Transformation of probability distribution of wind waves in coastal zone. *Proc. 4th Int. Conf. on Coastal and Port Engineering in Developing Countries (COPEDEX)*, Brasil, 1995, vol. 3, 2344 - 2353.
5. **Pelinovsky, E., Talipova, T.** Surfactant film elasticity in slicks. *The Air-Sea Interface. Radio and Acoustic Sensing, Turbulence and Wave Dynamics* (Proc. Int. Symposium, Marseilles, France, 24 - 30 June 1993). Eds. M.Donelan, W.Hui, W.Plant. University of Maiami, Florida, 1996. 401 -404.
6. **Talipova, T., Pelinovsky, E., Kit, E.** Wind wave simulation in coastal zone. *Coastal Dynamics'95*, (Proc. Int. Conf. on Coastal Research in Terms of Large Scale Experiments, Gdansk, Poland, Sept. 4-8, 1995). Eds. W.Dally & R.Zaidler, ASCE, 1996, 105 - 115.
7. **Pelinovsky, E.N.** Models of Tsunami Waves. *Computational Techniques and Applications: CTAC95*, (Proc. 7th Biennial Conf., Melbourne, Australia, July 3 - 5, 1995). Eds. R.May and E.Easton, World Sci., 1996, 619 - 624.
8. **Pelinovsky, E.** Tsunami of 1 January 1996 in Indonesia. *NDR96 Conference on Natural Disaster Reduction*, 29 September - 2 October 1996, Gold Coast, Australia, 1996, 307 - 311.
9. **Holloway, P., Pelinovsky, E., Talipova, T., Barnes, B.** Nonlinear models of internal tide and internal solitary wave evolution over a continental slope. *Proc. of 7th Int. Offshore and Polar Engineering*, (25 - 30 May 1997, Honolulu, USA), 1997, vol. 3, 130 - 137.
10. **Pelinovsky, E.** Preliminary estimates of tsunami - risk for Australia. *Earthquakes in Australian Cities - Can We Ignore the Risks?* (Proc. Austral. Earthquake Eng. Soc., 2-3 October 1997, Brisbane, Australia), 1997. Paper No. 25, 4p.
11. **Curtis, G., Pelinovsky, E.** Methods of calculation of tsunami risk. *Tsunami Mitigation and Risk Assessment*, (Report of Int. Workshop, Petropavlovsk-Kamchatskiy, Russia, August 21 - 24, 1996). Novosibirsk, 1997, 28 - 31.
12. **Holloway, P., Pelinovsky, E., Talipova, T., Barnes, B.** The rotated-modified extended Korteweg-de Vries equation for the description of nonlinear internal wave transformation in the ocean. *Computational Techniques and Applications: CTAC97*, (Proc. 8th Biennial Conf., Adelaide, Australia, Eds: B.J.Noye, M.D. Teubner, A.W.Gill). World Sci., Singapore, 1998, 297 - 304.
13. **Grimshaw, R., Pelinovsky, E.** Modeling internal solitary waves in the ocean. *The 1998 WHOI/IOS/ONR Internal Solitary Wave Workshop: Contributed Papers.* Eds: T.Duda and D.Farmer. Technical Report WHOI-99-07, 193 – 196.
14. **Holloway, P., Pelinovsky, E., Talipova, T.** Strongly nonlinear internal waves on the Australian North West Shelf. *The 1998 WHOI/IOS/ONR Internal Solitary Wave Workshop: Contributed Papers.* Eds: T.Duda and D.Farmer. Technical Report WHOI-99-07, 197 – 202.

15. **Pelinovsky, E., Talipova, T., Small, J.** Numerical modelling of the evolution of internal bores and generation of internal solitons at the Malin Shelf. *The 1998 WHOI/IOS/ONR Internal Solitary Wave Workshop: Contributed Papers*. Eds: T.Duda and D.Farmer. Technical Report WHOI-99-07, 229 – 236.
16. **Pelinovsky, E., Talipova, T., Kit, E., Eitan, O.** Nonlinear wave group evolution in shallow water. *Fifth Int. Conf. On Coastal and Port Engineering in Developing Countries (*COPEDEX'99, Cape Town, South Africa, 19 – 23 April 1999*)*, 1999, vol. 1, 150 – 158.
17. **Pelinovsky, E.** Internal tide transformation in the coastal zone. *Internal Coastal Ocean Dynamics Workshop*, Sungkyunkwan University, Korea, 1999, 63 – 71.
18. **Pelinovsky, E., Talipova, T., Kit, E., Eitan, O.** Nonlinear wave packet evolution in shallow water. *Proc. Int. Symp. on Progress in Coastal Engineering and Oceanography* (September 9 - 11, 1999, Seoul, Korea). 1999, vol. 2, 53 - 62.
19. **Choi, B.H., Hong, S.J., Pelinovsky, E., Ryabov, I.** A numerical simulation of the 1993 East Sea Tsunami and estimations of potential tsunamis. *Proc. Korean Nuclear Society*, Seoul, 1999 (CD).
20. **Pelinovsky, E., Kozlov, S., Vinogradov, S.** Numerical simulation of spring floods in Nizhny Novgorod region (Russia), *PACON Proceedings* (Symposium on Humanity and the World Ocean: Interdependence at the dawn of the New Millennium, June 23-25, 1999). Moscow, Russia, 2000, 391-399.
21. **Pelinovsky, E, Kharif, C.** Simplified model of the freak wave formation from the random wave field. *Proc. 15th Int. Workshop on Water Waves and Floating Bodies* (27 February - 1 March 2000), Israel, 2000, 142-145.
22. **Mirchina, N**., **Pelinovsky, E.** Dispersive intensification of tsunami waves. *Proc. Int. Tsunami Conference* (Seattle 7-9 August 2001), 2001, 789 – 794.
23. **Kaistrenko, V**., **Klyachko, M. Nuder, I., Pelinovsky, E.** A new paradigm of tsunami safety solution. *Proc. Inter. Tsunami Conference* (Seattle 7-9 August 2001), 2001, 303 – 313.
24. **Pelinovsky, E**., **Kharif, C., Riabov, I., Francius, M.** Numerical simulation of tsunami propagation near the French coast of the Mediterranean. *Proc. Int. Tsunami Conference* (Seattle 7-9 August 2001), 2001, 827 – 835.
25. **Pelinovsky, E., Kharif, C., Talipova, T., Slunyaev, A.** Nonlinear wave focusing as a mechanism of the freak wave generation in the ocean. "*Rogue Waves 2000"* (Brest, France, 2000). Eds: M. Olagnon and G.A.Athanassoulis. Ifremer, 2001, 193 -204.
26. **Pelinovsky, E., Talipova, T., Slyunyaev, A., Kokorina, A., and Kharif, C.** Ocean rogue wave phenomenon as nonlinear-dispersive wave focusing, *Progress in Nonlinear Science* (Proc. Int. Conf. dedicated to the 100th Anniversary of A.A.Andronov, Nizhny Novgorod, Russia, July 2-6, 2001), Vol. II. Frontiers of Nonlinear Physics. Institute of Applied Physics & University of N. Novgorod, 2002, 179 - 188.
27. **Poloukhina, O., Poloukhin, N., Talipova, T., Pelinovsky, E., Grimshaw, R., Lamb, K., Muyakshin, S.** Modelling of large-amplitude internal waves in the ocean, *Progress in Nonlinear Science* (Proc. Int. Conf. dedicated to the 100th Anniversary of A.A.Andronov, Nizhny Novgorod, Russia, July 2-6, 2001), Vol. II. Frontiers of Nonlinear Physics. Institute of Applied Physics & University of N. Novgorod, 2002, 252 - 257.
28. **Didenkulova, I.I. and Pelinovsky, E.N.** The 1597 Tsunami in the River Volga. *Local Tsunami Warning and Mitigation* (Proceedings of Kamchatka Symposium), 2002, 17-22.
29. **Yalciner, A.C., Demirbas, E., Pelinovsky, E., Imamura, F., Synolakis, C.E.** Amplitude evolution and runup of solitary waves on a sloping plane. *Local Tsunami Warning and Mitigation* (Proceedings of Kamchatka Symposium), 2002, 173-178.
30. **Stromkov, A.A., Didenkulov, I.N., Karlik, Ya. S., Pelinovsky, E.N.** Acoustic detection of tsunamis in the open sea. *Local Tsunami Warning and Mitigation* (Proc. Kamchatka Symposium), 2002, 159-165.
31. **Pelinovsky, E., Kurkin, A., Poloukhina, O.** Unsteady dynamics of edge waves above a sloping beach. *Proc. "Long Wave Symposium 2003"* (Thessaloniki, Greece), 2003, 161-168.

32. **Pelinovsky, E.** Analytical models of tsunami generation by submarine landslides. *Submarine landslides and tsunamis* (eds. Yalciner A., Pelinovsky E., Okal E., Synolakis C.). NATO Science Series: IV. Earth and Environmental Sciences, Kluwer, 2003, vol. 21. 111 – 128.
33. **Francius, M., Pelinovsky, E., Riabov, I., Kharif, C.** Synthetic tsunami simulations for the French coasts. *Submarine landslides and tsunamis* (eds. Yalciner A., Pelinovsky E., Okal E., Synolakis C.). NATO Science Series: IV. Earth and Environmental Sciences, Kluwer, 2003, vol. 21, 185-190.
34. **Massel, S.R., Pelinovsky, E.** Impact of surface waves on the coastal ecosystems. *Submarine landslides and tsunamis* (eds. Yalciner A., Pelinovsky E., Okal E., Synolakis C.). NATO Science Series: IV. Earth and Environmental Sciences, Kluwer, 2003, vol. 21, 251-258.
35. **Choi B.H., Lee J.S., Pelinovsky E., Woo S.B.** Estimates of tsunami risk zones on the costs adjacent to the East Sea based on numerical simulations. *Tsunamis in the Eastern Korea Coast* (Workshop Proceedings), 2004, 137 - 155.
36. **Pelinovsky E., Talipova T., Kurkin A. , Kozelkov A, and Zahibo N.,** Nonlinear and dispersion effects in the tsunami wave field. *Proc. 22nd International Tsunami Symposium* (Chania, Crete Island Greece, 27-29 June, 2005), 241-246.
37. **Pelinovsky E., Lechuga A., Kurkin A., Poloukhina O., Dubinina V**. Freak edge waves. *Ocean Waves Measurement and Analysis, Fifth Int. Symposium WAVES 2005* (3-7 July 2005, Madrid, Spain), 2005, Paper 72.
38. **Pelinovsky E., Choi B., Zaitsev A., Didenkulova I.** Modelling of two global tsunamis in the Indian Ocean (1883 Krakatau eruption and 2004 Sumatra earthquake). *Ocean Waves Measurement and Analysis, Fifth Int. Symposium WAVES 2005* (3-7 July 2005, Madrid, Spain), 2005, Paper 213.
39. **Pelinovsky E.**, **Slunyaev, Talipova T., Sergeeva A.** Mechanics of Freak Waves. *Asian and Pacific Coasts 2005* (4-8 September, Jeju, Korea). Eds: Choi B.H., Suh K.D., and Yoon S.B. 2005, 67 – 78. Hanrimwon Publishing Co., Korea.
40. Kokorina A., Pelinovsky E. Numerical modeling of random shallow wind waves using experimental data. *Asian and Pacific Coasts 2005* (4-8 September, Jeju, Korea). Eds: Choi B.H., Suh K.D., and Yoon S.B. 2005, 515 – 518. Hanrimwon Publishing Co., Korea. Proceedings on CD, 1334-1345.
41. **Choi B.H., Pelinovsky E., Hong S.J.** Empirical distribution functions of wave heights of the December 26, 2004 earthquake tsunami in the Indian Ocean. *The Indonesia Ocean Forum 2005 and the 13th PAMS/JECSS Workshop* (July 13-15, 2005, Bali), 2005. CD (6 pages).
42. **Pelinovsky E., Slunyaev A., Talipova T., Sergeeva A., Kharif Ch.** Freak Waves: Physical Mechanisms and Experimental Data. *Frontiers of Nonlinear Physics* (Proc. 2d Int. Conf, July 5-12, 2004), 2005, 169-178.
43. **Giovanangeli J.P., Kharif C., Pelinovsky E.** Experimental study of the wind effect on the focusing of transient wave groups. *Rogue Waves 2004*. Eds: M.Olagnon and M.Prevosto. Ifremer, 2005. 11 p. http://www.ifremer.fr/web-com/stw2004/rw/status.html
44. **Zahibo, N.**, **and Pelinovsky, E.** Tsunamis in the Lesser Antilles. *Caribbean Tsunami Hazard* (Eds. A.Mercado-Irizarry and P.Liu). World Sci., Singapore, 2006, 244-254.
45. **Choi, B.H., Hong, S.J., Min, B.I., and Pelinovsky, E.** Analysis and modeling of the distribution functions of runup heights of the December 26, 2004 earthquake tsunami in the Indian Ocean. *Storm Surge and Tsunami around Korean Coasts* (Ed. Choi B.H.), 2005, 29-37.
46. **Didenkulova, I.I., Kurkin, A.A., Pelinovsky, E.N., Poloukhina, O.E., Sergeeva, A.D., and Slunayev, A.V.** «Freak waves» on the coasta: observations and modeling. Modern methods of mathematical modeling of natural and anthropogenic catastrophes (Proc. VIII Russian Conf., Kemerovo, 2005). Institute of Computer Technologies and Institute of Mine and Mine-Chemistry. Kemerovo, 2006, 147 – 157.
47. **Kurkin, A., Pelinovsky, E., Polukhin, N., Zaitsev, A., Kaistrenko, V., Korolev, Yu. Razhizhaeva, N., Prasetya, G., Hidayat, Z., and Yalciner, A.** Catastrophic tsunami on 29 December, 2004 in the Indian Ocean: data of field surveys and modelling. *Manifestation of deep processes on the sea surface*. Institute of Applied Physics, Nizhny Novgorod, 2007, 82-91.

48. **Didenkulova, I., Pelinovsky, E., and Zahibo, N.** Analytical expressions for runup characteristics of nonlinear long waves on a plane beach. *Tsunami Disaster Mitigation for East Korean Coast*. Sungkyunkwan University, Suwon, 2007, 1-4.
49. **Talipova, T.**, **Pelinovsky, E., Grue, J., Fructus, D., and Kharif, Ch.** Modeling of the 2004 tsunami in the Malacca Strait in the framework of the Korteweg – de Vries equation and fully nonlinear potential model. *Tsunami Disaster Mitigation for East Korean Coast*. Sungkyunkwan University, Suwon, 2007, 5-8.
50. **Zahibo, N., Pelinovsky, E., and Nikolkina, I.** Tsunami hazard for Guadeloupe, Caribbean Sea. *Proc. Earthquakes and Tsunamis: from source to hazard*, NUS-TMSI Workshop, 7-9 March 2007. 19-1 – 19-18. http://www.porl.nus.edu.sg/~tmspt/Singapore_Tsunami.zip
51. **Dyskin A.V., E. Pasternak and E. Pelinovsky, 2007.** Modelling resonances in topological interlocking structures. ACAM2007, *Proc. 5th Australasian Congress on Applied Mechanics*, 10-12 December 2007, Brisbane, Australia (F. Albermani, B. Daniel, J. Griffiths, D. Hargreaves, P. Meehan, A. Tan and M. Veidt, eds), Vol. 2, 408-413.
52. **Zaitsev A., Karakus H., Yalciner A.C., Chernov A., Pelinovsky E., Kurkin A., Ozer C., Dilmen D.I., Insel I., Ozyurt G.** Tsunamis in Eastern Mediterranean, histories, possibilities and realities. *COPEDEC VIII*, Dubai, 2008. Paper No: 149, 10 pages. Abstract, 287 – 288.
53. **Didenkulova I.I., Pelinovsky E., Soomere T.** Influence of the initial wave shape on tsunami wave runup characteristics. Proceedings *Solutions to Coastal Disasters 2008*. Tsunamis. (April 13-16, 2008, Turtle Bay, Oahu, Hawaii). 2008, 94 -105.
54. **Didenkulova I., Pelinovsky E.** Some analytical solutions in tsunami wave runup theory. *Proc. Conference on Marine Problems and Specific Solutions* (COMPASS), 2008, 87-92.
55. **Dilmen D.I., Yalciner A.C., Zaytsev A., Chernov A., Ozer C., Insel I., Pelinovsky E., Kurkin A., Karakus H., Kanoglu U., Imamura F.** Development of GIS based inundation maps for Fethiye Town, Turkey. *Proc. Conference on Marine Problems and Specific Solutions* (COMPASS), 2008, 173-182.
56. **Didenkulova I., Pelinovsky E., Sergeeva A.** Runup of irregular waves on a plane beach. *Rogue Waves 2008* (Proc. Rogue Waves 2008 Workshop, October 13-15, 2008, Brest, France), Eds: Michel Olagnon and Marc Prevosto, Ifremer, 2009, 113-114.
57. **Pelinovsky E.** Methods of evolution of tsunami risk. *Proc. Int. Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region. 500th Anniversary Year of the 1509 September 10, Marmara Earthquake* (10-12 September Istanbul, Turkey), Ed. Tuncay Taymaz, 2009, 127-130.
58. **Dilmen D.**I., **Yalciner A.C., Zaytsev A., Chernov A., Ozer C., Insel I., Pelinovsky E., Kurkin A., Karakus H.** Tsunami modeling and inundation mapping for Fethiye Town, SW Turkey. *Proc. Int. Symposium on Historical Earthquakes and Conservation of Monuments and Sites in the Eastern Mediterranean Region. 500th Anniversary Year of the 1509 September 10, Marmara Earthquake* (10-12 September Istanbul, Turkey), Ed. Tuncay Taymaz, 2009, 242 – 245.
59. **Pelinovsky E.** Progress in tsunami physics: from understanding to prediction for 50 years between two global Chilean tsunamis (1960 and 2010). *Proc. IV Int. Conf. "Frontiers of nonlinear physics"*, Nizhny Novgorod, 2010, 46-47.
60. **Pelinovsky E.N., Kharif C., Slunyaev A.V.** Rogue waves – review. *Proc. IV Int. Conf. "Frontiers of nonlinear physics"*, Nizhny Novgorod, 2010, 106-107.
61. **Pelinovsky E.N., Talipova T.G.** Non-reflected interfacial waves in coastal zone. *Proc. IV Int. Conf. "Frontiers of nonlinear physics"*, Nizhny Novgorod, 2010, 108-109.
62. **Talipova T., Grimshaw R., Pelinovsky E., Sergeeva A.** Rogue long internal waves in the ocean. *Proc. IV Int. Conf. "Frontiers of nonlinear physics"*, Nizhny Novgorod, 2010, 108-109.
63. **Zahibo N., Pelinovsky E., Nikolkina I.** Numerical modeling of tsunami waves in French West Indies. *Proceedings of the 9th U.S. National and 10th Canadian Conference on Earthquake Engineering* (Compte Rendu de la 9ième Conférence Nationale Américaine et 10ième Conférence Canadienne de Génie Parasismique) July 25-29, 2010, Toronto, Canada ♦ Paper No. 1853.

64. **Dyskin, A.V., Pasternak, E. and Pelinovsky, E.** Coupled bilinear oscillators, their resonances and controlling parameters, *Proc. 6th Australasian Congress on Applied Mechanics*, (ACAM 6, 12-15 December 2010, Perth), 2010, Paper 1170, 9pp.
65. **Slunyaev A., Pelinovsky E., Soares C.G.** Reconstruction of extreme events through numerical simulations. *Proceedings of the ASME 2011 30th Int. Conference on Ocean, Offshore and Arctic Engineering, OMAE2011* (June 19-24, 2011, Rotterdam, The Netherlands), OMAE2011-50314.
66. **Nikolkina I.F., Pelinovsky E.N., Talipova T.G., Zahibo N.** "Solid" and "fluid" models of landslide motion.. *Materials of V Sakhalin Scientific School "Natural Catastrophes: study. Monitoring and forecasting*. Yuzhno-Sakhalinsk, 2011, 19-29.
67. **Choi B.H., Pelinovsky E., Min D.I., Kim K.O.** Analysis of tide-gauge records of the 2011 East Japan-off Pacific coast earthquake tsunami. *Proc. Mini-workshop on 2011 Tohoku tsunami*. Korea, 2011, 5- 38.
68. **Choi B.H., Min B.I., Kaistrenko V., Kim K.O.** Rapid hindcasting of tsunami runup heights from 2-D numerical simulations for 2011 earthquake off the Pacific coast of Tohoku, Japan. *Proc. Mini-workshop on 2011 Tohoku tsunami*. Korea, 2011, 66-75.
69. **Min B.I., Kim K.O., Choi B.H., Kaistrenko V., and Pelinovsky E.** Hindcast Simulation of 2011 Great East Japan Earthquake Tsunami. Proceedings *APAC2011* (14-16 December 2011, Hong Kong), 99-106. Abstracts, Page 68.
70. **Didenkulova I., Pelinovsky E.** Resonant generation of tsunami waves by submarine landslides in fjords, *Proc. XXII Int. Offshore and Polar Engineering (ISOPE) Conference*, Rhodos Greece, 17-22 June 2012, ISBN 978?1-880653-94-4, 2012, vol. 3, 138-194.
71. **Didenkulova I., Chatraee Sh., Pelinovsky E.** Wave run-up on a vertical wall in a bay of a parabolic cross-section. IEEE/OES US/EU-Baltic International Symposium, 2012. – 978-1-4673-1414-5/12/$31.00 ©2012 IEEE.
72. **Sergeeva, A., Doong, D.J., Pelinovsky, E., Talipova, T., Slunyaev, A.,** Simulations of rogue waves in coastal waters: effects of variable bathymetry, *Proceedings of the 6th Chinese-German Joint Symposium on Hydraulic and Ocean Engineering* (Keelung, Taiwan, Sep. 24-25), 2012, 481-497.

Info and popular papers:

1. **Pelinovsky, E.N., and Soloviev, S.L.** All-Union tsunami meeting in Gorky. *Izvestija, Earth Physics,* 1985, N. 12, 97 - 100.
2. **Pelinovsky, E.N., and Soloviev, S.L**. All-Union conference on tsunami problem in Gorky. *Int. J. Tsunami Soc.*, 1986, vol. 4, N. 2, 125 - 130.
3. **Efimov, V.V., Pelinovsky, E.N., and Zakharov, V.E.** The all-union seminar on investigation of small-scale atmosphere-ocean interaction. *Izvestija, Atmospheric and Oceanic Physics*, 1988, vol. 24, N. 8, 653 - 654.
4. **Nekrasov, A.V., Pelinovsky, E.N., and Petrukhin, N.S.** Conference "Marine natural hazards" (Nizhny Novgorod). *Oceanology*, 1991, vol. 31, N. 5, 889 - 892.
5. **Nekrasov, A., Pelinovsky, E., and Petrukhin, N.** Conference on marine natural hazards, Nizhny Novgorod (USSR), September 1990. *Natural Hazards*, 1991, vol. 4, N. 4, 435 - 437.
6. **Gurevich, B.Ya., Ivanov, V.V., and Pelinovsky, E.N.** International seminar: long wave run-up (USA, August, 1990). *Izvestija, Earth Phys*. 1991, N. 6, 111 - 112.
7. **Ivanov, V.A., Ivashchenko, I.K., and Pelinovsky, E.N.** Investigations in the shelf zone of the Mediterranean and the Black Seas (Cruise 27 of R/V Professor Kolesnikov, 18 June - 25 August 1991). *Physical Oceanography*, 1993, vol. 4, N. 4, 331 - 338.
8. **Choi, B., Nekrasov, A., and Pelinovsky, E.** Organization of oceanological Investigations in the Republic of Korea. *Oceanology*, 1993, vol. 33, N. 3, 470 – 472.

9. **Pelinovsky, E., and Talipova, T.** Marine hydrophysical investigations in Israel. *Oceanology*, 1995, vol. 35, N. 2, 299 - 301.
10. **Pelinovsky, E.** International tsunami expeditions: the assistance of the National Science Foundation (Russia). *Herald of Russian Fund of Basic Research*, 1996, N. 5, 26 - 30.
11. **Levin, B., Kulikov, E., Kuzin, I., Pelinovsky, E., and Rabinovich, A.** Sergey Soloviev (April 12, 1930 – March 9, 1994). In: *Tsunamis in the Mediterranean Sea 2000 B.C. – 2000 A.D.* by Soloviev S.L., Solovieva O.N., Go Ch.N., Kim Kh.S., Schetnikov N.A. Kluwer, 2000.
12. **B. Alterkop, V. M. Balebanov, M. Bornatici et al (Pelinovskii E.N.)** In Memory of Semen SamoЇlovich Moiseev. *Plasma Physics Reports*, 2002, vol. 28, No. 11, 972-973.
13. **Pelinovsky, E., and Slunyaev, A.** Freak Waves. *Physics (Newspaper for school teachers)*, 2006, No. 2, 29-32; No. 4, 35-39
14. **Didenkulova I., Pelinovsky E.** Tsunami at Volga. *Volgo-Nevsky Prospect* (newspaper, Nizhny Novgorod – St Petersburg), 2008, No. 2, page 8.
15. **Pelinovsky** E.N. My meetings with A.V. Nekrasov. *Alexey Vsevolodovich Nekrasov*. St. Peterburg, 2008, 45-47.
16. **Pelinovsky E.** International workshop “Rogue Waves”. *Fundamental and Applied Hydrophysics*, 2011, vol. 4, No. 4, 97-99.
17. **Пелиновский Е.Н.** International Workshop “Wave Interactions”, Linz, Austria, 7-12 February 2012. *Fundamental and Applied Hydrophysics*, 2012, vol. 5, No. 1, 108-109.