Anastasia K. Nekrasova
Curriculum Vitae

Born: October, 22, 1968- Moscow, Russian Federation

Education: 1988-1993: M.Sc., Geophysical Department, Faculty of Geology, M.V. Lomonosov Moscow State University, Moscow, Russian Federation

2008: Ph. D. in Physical and Mathematical Sciences (Geophysics), M.V. Lomonosov Moscow State University, Moscow, Russian Federation

Professional Career:

1992 - 2012: Researcher, Laboratory "Theory of Earthquake Prediction", Institute of Earthquake Prediction Theory and Mathematical Geophysics, Russian Academy of Sciences, Moscow;

2013 - 2017: Signor Scientist, Laboratory "Theory of Earthquake Prediction", Institution of Russian Academy of Sciences Institute of Earthquake Prediction Theory and Mathematical Geophysics (IEPT RAS), Moscow;

2017-2018 - Scientific Secretary IEPT RAS, Signor Scientist, Laboratory "Theory of Earthquake Prediction", IEPT RAS;

2019-present - Deputy Director for scientific work, IEPT RAS, Chief, Laboratory "Seismic risk theory", IEPT RAS.

Teaching experience

Academic year of 2019-2020-, block lecture course "Seismology" for PhD students, The Schmidt Institute of Physics of the Earth of the Russian Academy of Sciences (IPE RAS)

Professional society and international union activities

American Geophysical Union (AGU)

Member (2015-2016); Member (2016-2017); Member (2017-2018); Member (2018-2019);

European Geosciences Union (EGU)

2020–present - Science Officer for NH4 Earthquake Hazards (elected)

Areas of expertise: Exploratory data analysis, global and regional seismic data bases, seismic hazard and risk assessment. Programming skills in C languages.

Organization of scientific meetings

All-Russian Scientific Conference with International Participation «Modern methods of seismic hazard assessment and earthquake prediction» (27-28 November 2019, IEPT RAS, Moscow), Chief of the organizing committee.

Research grant awards

Unified Scaling Law for Earthquakes, Russian Foundation for Basic Research, 2019

Modern methods of seismic hazard assessment and earthquake prediction, Russian Foundation for Basic Research, 2019

Diagnosis of increased seismic hazard in Himalayas and adjacent territories, received from the Russian Foundation for Basic Research, 2014-2015.

Selected Publications:

Nekrasova Anastasia K., Vladimir G. Kossobokov, Unified Scaling Law for Earthquakes: Global Map of Parameters, https://doi.org/10.31905/XT753V44, ISC's Seismological Dataset Repository, 2019, http://www.isc.ac.uk/dataset_repository/recent_submissions.php

Kossobokov Vladimir G., Anastasia K. Nekrasova, Characterizing Aftershock Sequences of the Recent Strong Earthquakes in New Zeland, 2019, Pure Appl. Geophys., Springer International Publishing AG, DOI 10.1007/s00024-018-2071-y

Kossobokov, V.G., Nekrasova, A., Earthquake Hazard and Risk Assessment based on Unified Scaling Law for Earthquakes: Altai-Sayan Region. 2018Natural Hazards. 93(3): 1435-1449 DOI 10.1007/s11069-018-3359-z

Nekrasova A., Peresan A., Kossobokov VG, Panza GF Chapter 7: A new probabilistic shift away from seismic hazard reality in Italy?, In: B. Aneva and M. Kouteva-Guentcheva (eds.), Nonlinear Mathematical Physics and Natural Hazards, 2015, Springer Proceedings in Physics 163, DOI 10.1007/978-3-319-14328-6_7

Parvez, I.A., Nekrasova, A., Kossobokov, V. Estimation of seismic hazard and risks for the Himalayas and surrounding regions based on Unified Scaling Law for Earthquakes, 2014, Natural Hazards 71, pp. 549-562 DOI 10.1007/s11069-013-0926-1

Nekrasova, A., Kossobokov, V., Peresan, A., Magrin, A. The comparison of the NDSHA, PSHA seismic hazard maps and real seismicity for the Italian territory, 2014 Natural Hazards 70 (1), pp. 629-641 DOI 10.1007/s11069-013-0832-6

Wyss, M., A. Nekrasova, V.G. Kossobokov. 2011, Errors in Expected Human Losses Due to Incorrect Seismic Hazard Estimates Eos Trans. AGU, 92(52), Fall Meet. Suppl., Abstract NH12A-04.

Kossobokov, V., Nekrasova, A., 2011, Global Seismic Hazard Assessment Program (GSHAP) Maps Are Misleading. Problems of Engineering Seismology, 38 (1), p. 65-76 (in Russian).

Nekrasova, A., V. Kossobokov, A. Aoudia, A. Perezan, G. F. Panza, 2011, A Multiscale Application of the Unified Scaling Law for Earthquakes in the Central Mediterranean area and Alpine region, Pure Appl. Geophys. 168, 2011, 297-327 pp, Springer Basel AG, DOI 10.1007/s00024-010-0163-4

Nekrasova, A., 2010, Seismic Hazard in Americas in Revision by Unified Scaling Law for Earthquakes, NH14A-03 Meeting of the Americas, 08–12 August 2010, Foz do Iguassu, Brazil

Kossobokov, V., Romashkova, L., Nekrasova, A., 2009, Targeting the next mega-earthquake. M: Krasnad., pp.301-319, Computational Seismology, vol. 39 (in Russian).

Nekrasova, A., 2008, Unified Scaling Law for Earthquakes: Implications for seismic active word zones. (Ph.D thesis), M.V. Lomonosov Moscow State University, p.1-136 (in Russian).

Nekrasova, A., Kossobokov V., 2005, Temporal variation of the coefficients of Unified scaling law for earthquakes on the east of Honshu island (Japan) Doklady Earth Sciences, Vol. 405A, No. 9, pp. 1352–1355. (Translated from Doklady Akademii Nauk, Vol. 405, No. 4, 2005, pp. 529–532).

Kossobokov, V.G. and A.K. Nekrasova., 2004. Unified scaling law for earthquakes: Global map of parameters. In: The analysis of geodynamic and seismic processes (Computational Seismology, vol 35). Moscow, GEOS, 160-175 (in Russian).

Molchan, G.,. T. Kronrod, O. Dmitrieva, A. Nekrasova, 1996. Hazard-oriented multiscale seismicity model: Italy, Computational seismology and geodynamics, vol. 4, 138-156.

Kronrod, T., A. Nekrasova, 1996. Seismic risk for the world's major cities: Estimates verified. Computational seismology and geodynamics, vol. 4, 157-165.

Certificates of intellectual property registration

Soloviev A.A., Soloviev A.A., Gvishiani A.D., Kosobokov V.G., Nekrasova A.K., Gorshkov A.I., Nikolova Yu.I., Dzeboev B.A., Nikolov B P., 2019, GIS-oriented database for multicriteria seismic hazard assessment Certificate of State Registration of Databases No. 2019621466 of August 16, 2019.

Soloviev A.A., Soloviev A.A., Gvishiani A.D., Kosobokov V.G., Nekrasova A.K., Gorshkov A.I., Nikolova Yu.I., Dzeboev B.A., Nikolov B P., 2019, Certificate of state registration of the Toolbox computer program "Multi-criteria seismic hazard assessment" for working in the ArcGIS environment Certificate No. 2019619517 of July 18, 2019.

Nekrasova A.K. 2013, The program for evaluating the coefficients of the General Law of Similarity for Earthquakes (SCE). Certificate on state registration of a computer program No. 2013618171. Of September 2, 2013.

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